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1973

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Water Resources Data for Nebraska

Water Year 1972

Part 2. Water Quality Records

MARCH 3, 1849

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UNITED STATES
DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NE-72-2

Prepared in cooperation with the Conservation and Survey Division of the University of Nebraska, the Nebraska Department of Water Resources, and with other State and Federal agencies

CALENDAR FOR WATER YEAR 1972

OCTOBER 1971

S	M	T	W	T	F	S
					1	2
3	4	5	6	7	8	9
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31						

NOVEMBER 1971

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DECEMBER 1971

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JANUARY 1972

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FEBRUARY 1972

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MARCH 1972

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APRIL 1972

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MAY 1972

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JUNE 1972

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JULY 1972

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30	31					

AUGUST 1972

S	M	T	W	T	F	S
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SEPTEMBER 1972

S	M	T	W	T	F	S
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3	4	5	6	7	8	9
10	11	12	13	14	15	16
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Water resources data for the 1972 water year for Nebraska consist of records of discharge and water quality of streams, and water quality of lakes and reservoirs. This report contains water quality for 55 gaging stations. Additional water data were collected at various sites, not part of the systematic data collection program, and are published as miscellaneous analyses. These data represent that part of the National Water Data System operated by the U.S. Geological Survey and cooperating local, State, and Federal agencies in Nebraska.

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Water Resources Data for Nebraska

Water Year 1972

Part 2. Water Quality Records

MARCH 3, 1849

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DEPARTMENT OF THE INTERIOR

U.S. GEOLOGICAL SURVEY WATER-DATA REPORT NE-72-2

Prepared in cooperation with the Conservation and Survey Division of the University of Nebraska, the Nebraska Department of Water Resources, and with other State and Federal agencies

Prepared in cooperation with

Conservation and Survey Division, University of Nebraska
Nebraska Department of Water Resources
Nebraska Natural Resources Commission
Lower Platte South Natural Resources District
Salt Valley Watershed District
Nebraska Game and Parks Commission
Bureau of Reclamation, U.S. Department of the Interior
U.S. Environmental Protection Agency

Water resources records, 1972, for Nebraska are in the following reports of the U.S. Geological Survey:

1. Water Resources Data for Nebraska
   Part 1. Surface Water Records

2. Water Resources Data for Nebraska
   Part 2. Water Quality Records

Copies of this report may be obtained from
District Chief, Water Resources Division
U.S. Geological Survey
Room 127, Nebraska Hall
901 North 17th Street
Lincoln, Nebraska 68508

1974

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(Letters after station name designate type of data: (c), chemical; (t), water temperature; (s), sediment)

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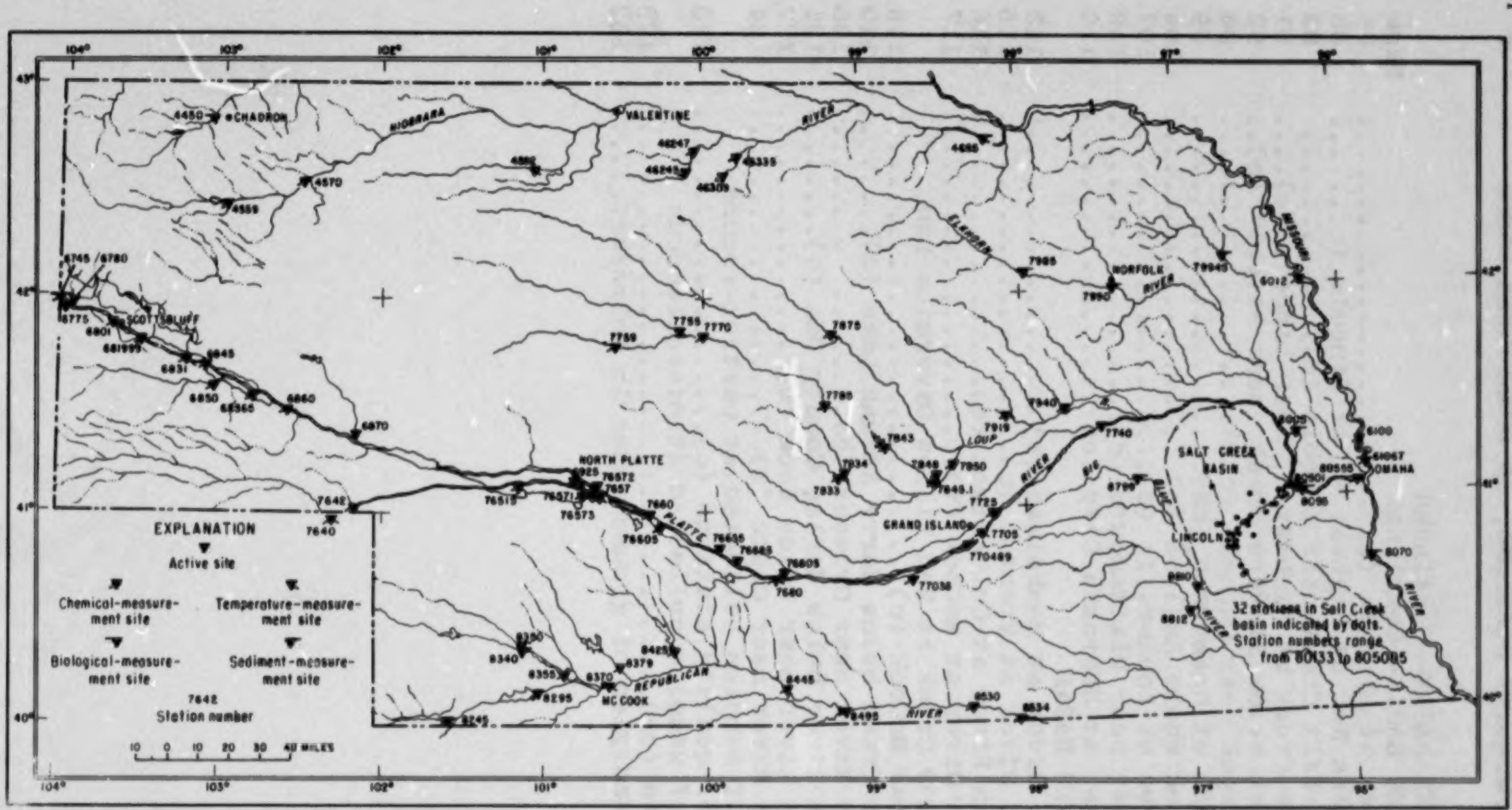

Figure 1.--Map showing locations of surface water-quality stations in Nebraska, 1972 water year.

WATER RESOURCES DATA FOR NEBRASKA, 1972

Part 2. Water Quality Records

INTRODUCTION

The quality-of-water investigations of the U.S. Geological Survey are concerned with the chemical and physical characteristics of surface- and ground-water supplies of the Nation. The basic records for the 1972 water year for quality of water in Nebraska are given in this report. For convenience and interest, records for a few water quality stations in bordering States are included.

The Geological Survey began publishing annual basic records of the quality of surface waters, including data on chemical quality, water temperatures, and suspended sediment, in 1941 in the water-supply paper series, "Quality of Surface Waters of the United States." The records prior to 1948 were published each year in a single volume for the entire country and in two volumes in 1948 and 1949. Beginning in 1950, the records were published in four volumes and beginning in 1959 in five volumes; each volume covered an area where boundaries coincided with those of certain natural drainage areas. The records for Nebraska are contained in Parts 5 and 6 of the water-supply series. These publications are available in most major public libraries.(See Water-Supply Papers, p. 17.)

The Nebraska District of the Geological Survey began to publish annual basic records of the quality of water in Nebraska in the present format in 1964. In the report for that year, records are given on the quality of surface water only. However, beginning with the report for 1965, records on the quality of ground water are given also. So that records for years prior to 1965 might also be readily available, they were included in the 1965, 1966, or 1967 reports. The number of chemical analyses published in each of the reports for each county is given in table 1.

This report is intended chiefly for local distribution to those having immediate need for the records. The records pertaining to surface water will continue to be published for wider distribution in the Geological Survey water-supply series.

COOPERATION

The records in this report were obtained under the supervision of K. A. Mac Kichan, district chief, Nebraska District, Water Resources Division, U.S. Geological Survey. Most of them were obtained at the request of other federal agencies as a part of the program of the U.S. Department of the Interior for development of the Missouri River basin or as a part of a national study of the Geological Survey. Funds for collection of records at several stations were provided by the U.S. Environmental Protection Agency.

Many of the records were obtained as parts of the cooperative programs with the following:

Conservation and Survey Division, University of Nebraska, V. H. Dreeszen, director.
Nebraska Department of Water Resources, D. S. Jones, Jr., director.
Nebraska Natural Resources Commission, Dayle E. Williamson, executive secretary.
Lower Platte South Natural Resources District, H. L. Schroeder, general manager.
Salt Valley Watershed District, H. L. Schroeder, general manager.
Nebraska Game and Parks Commission, W. R. Barbee, director.

DEFINITION OF TERMS

Terms and abbreviations are defined as follows:

Acre-foot (ac-ft,AC-FT) is a quantity of water required to cover 1 acre to a depth of 1 foot and is equal to 43,560 cubic feet or 325,851 gallons.

Bed material is the shifting portion of fragmented alluvial material of which the streambed is composed.

Biochemical oxygen demand (BOD) is a measure of the oxygen required by microorganisms in stablizing decomposable organic matter under aerobic conditions.

Cfs-day is the volume of water represented by a flow of 1 cubic foot per second for 24 hours. It equals 86,400 cubic feet, 1.983471 acre-feet, or 646,317 gallons.

Chemical oxygen demand (COD) indicates the quantity of oxidizable compounds present in a water. It varies with water composition, concentration of reagent, temperature, period of contact, and other factors.

Coliform organisms are a group of bacteria used as an indicator of the sanitary quality of the water. The number of coliform colonies per 100 milliliters was determined by the membrane filter method with immediate incubation in a portable incubator.

Cubic foot per second (cfs,CFS) is the rate of discharge representing a volume of 1 cubic foot passing a given point during 1 second and is equivalent to 7.48 gallons per second or 448.8 gallons per minute.

Discharge is the volume of water (or more broadly, total fluids) that passes a given point within a given period of time.

Daily mean discharge is the mean discharge for one day.

Mean discharge is the arithmetic mean of individual daily mean discharges during a specific period.

Instantaneous discharge is the discharge at time of sampling. If this discharge is reported instead of daily mean value, the heading of the discharge column will be "Discharge (cfs)."

Drainage area of a stream above a specified location is that area, measured in a horizontal plane, enclosed by a topographic divide from which direct surface runoff from precipitation normally drains by gravity into the stream above the specified location.

Drainage basin is a part of the surface of the earth that is occupied by a drainage system, which consists of a surface stream or a body of impounded surface water together with all tributary surface streams and bodies of impounded surface water.

Gaging station is a particular site on a stream, canal, lake, or reservoir where systematic observations of gage height or discharge are obtained. When used in connection with a discharge record, the term is applied only to those stations where a continuous record of discharge is obtained.

Hardness of water is the property of water attributable to the presence of alkaline earths (principally calcium and magnesium) and is expressed as equivalent calcium carbonate ($CaCO_3$).

Load, usually expressed in tons, is the quantity of a given substance that is transported past a sampling station during a specified period.

Methylene blue active substance (MBAS) is a measure of apparent detergents. This determination depends on the formation of a blue color when methylene blue dye reacts with synthetic detergent compounds.

Micrograms per liter (µg/l,UG/L) is a unit for expressing the concentration of chemical constituents in solution. It represents one one-thousandth of a milligram of constituent in a liter of solution.

Milliequivalents per liter is a unit for expressing the concentration of chemical constituents in terms of the interreacting values of the electrically charged particles, or ions, in solution. One milliequivalent per liter of a positively charged ion will react with one milliequivalent per liter of a negatively charged ion.

Milligrams per liter (mg/l,MG/L) is a unit for expressing the concentration of chemical constituents in solution. Milligrams per liter of most commonly measured constituents may be converted to milliequivalents per liter by multiplying by the factors in table 2, page 15. Concentration of suspended sediment expressed in milligrams per liter is based on the weight of sediment in a liter of water-sediment mixture. Sediment concentrations that are expressed in milligrams per liter may be converted to parts per million by using the factors in table 3, page 16.

Partial-record station is a station where limited data are collected systematically over a period of years for use in hydrologic analyses.

Particle size is the diameter, in millimeters (mm), of suspended sediment or bed material determined by sieve, sedimentation (fall diameter), or optical methods.

Particle-size classification agrees with the recommendation made by the American Geophysical Union Subcommittee on Sediment Terminology. This classification is as follows:

Clay:	Smaller than 0.004 mm.
Silt:	Between 0.004 and 0.062 mm.
Sand:	Between 0.062 and 2.0 mm.
Gravel:	Between 2.0 and 64.0 mm.

The particle-size distributions given in this report are not necessarily representative of the particle sizes of sediment in transport in the natural stream. Most of the organic matter is removed and the sample is subjected to mechanical and chemical dispersion before analysis of the silt and clay.

Picocurie (PC/L) is one millionth of the amount of radioactivity represented by a microcurie, which, in turn, is the amount of radioactivity given off by one millionth of a gram of radium-226.

Sediment is solid material that originates mostly from disintegrated rocks and is transported by, suspended in, or deposited by water; it includes chemical and biochemical precipitates and decomposed organic material such as humus. The quantity, characteristics, and cause of the occurrence of sediment in streams are influenced by environmental factors. Some major factors are degree of slope, length of slope, soil characteristics, land usage, and quantity and intensity of precipitation.

Suspended sediment is the sediment that at any given time is maintained in suspension by the upward components of turbulent currents or that exists in suspension as a colloid.

Suspended-sediment discharge is the rate at which dry weight of sediment passes a section of a stream or is the quantity of sediment, as measured by dry weight, that is discharged in a given time. It is usually expressed in tons per day, which is calculated as follows:
T/Day = Concentration (mg/l) x discharge (cfs) x 0.0027

Suspended-sediment concentration is the velocity-weighted concentration of suspended sediment in the sampled zone (from the water surface to a point approximately 0.3 ft above the bed) expressed as milligrams of dry sediment per liter of water-sediment mixture (mg/l).

Sodium-adsorption-ratio (SAR) is the expression of relative activity of sodium ions in exchange reaction with soil and is an index of sodium or alkali hazard to the soil. This ratio should be known especially for water used for irrigating farmland.

Solute is any substance derived from the atmosphere, vegetation, soil, or rocks that is dissolved in water.

Specific conductance is a measure of the ability of a water to conduct an electrical current and is expressed in micromhos per centimeter at 25°C. Because the specific conductance is related to the number and specific chemical types of ions in solution, it can be used for approximating the dissolved-solids content of the water. Commonly, the amount of dissolved solids (in milligrams per liter) is about 65 percent of the specific conductance (in micromhos). This relation is not constant from stream to stream or from well to well, and it may even vary in the same source with changes in the composition of the water.

Stage is the height of a water surface above an established datum plane; also gage height.

Streamflow is the discharge that occurs in a natural channel. Although the term "discharge" can be applied to the flow of a canal, the word "streamflow" uniquely describes the discharge in a surface stream course. The term "streamflow" is more general than "runoff." Streamflow may be applied to discharge whether or not it is affected by diversion or regulation.

Thermograph is an instrument that continuously records variations of temperature on a chart. The more general term "temperature recorder" is used in the table headings and refers to any instrument that records temperature whether on a chart, a tape, or any other medium.

Time-weighted average is computed by multiplying the number of days in the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the total number of days. A time-weighted average represents the composition of water that would be contained in a vessel or reservoir that had received equal quantities of water from the stream each day for the water year.

Tons per acre-foot indicates the dry weight of constituent in 1 acre-foot of water. It is computed by multiplying the concentration of the constituent, in milligrams per liter, by 0.00136.

Tons per day is the rate at which a substance in solution or suspension passes a given point on the stream.

Tritium unit (T.U.) is equal to one tritium atom in 10^{+18} protium (ordinary hydrogen) atoms.

Water year in Geological Survey reports dealing with surface-water supply is the 12-month period, October 1 through September 30. The water year is designated by the calendar year in which it ends and which includes 9 of the 12 months. Thus, the year ending September 30, 1971, is called the "1971 water year."

Weighted average is used to indicate discharge-weighted average. It is computed by multiplying the discharge for the sampling period by the concentrations of individual constituents for the corresponding period and dividing the sum of the products by the sum of the discharges. A discharge-weighted average approximates the composition of water that would be found in a reservoir containing all the water passing a given location during the year after thorough mixing in the reservoir.

SPECIAL NETWORKS AND PROGRAMS

Some of the stations for which data are published in this report are included in special networks or programs. These stations are identified by a statement, in parentheses under the station name, that indicates the type of network or program of which the station is a part. The parenthetic statements and their meanings are as follows:

Hydrologic bench-mark station is one that provides hydrologic data for a basin in which the hydrologic regimes will likely be governed solely by natural conditions. Data collected at a bench-mark station may be used to separate effects of natural from manmade changes in other basins which have been developed and in which the physiography, climate, and geology are similar to those in the undeveloped bench-mark basin.

International Hydrological Decade (IHD) River Stations provide a general index of runoff and materials in the water balance (discharge of water, and dissolved and transported solids) of the world. In the United States, IHD Stations provide indices of runoff and of the general distribution of water in the principal river basins of the conterminous United States and Alaska.

Irrigation network stations are water quality stations located at or near certain streamflow gaging stations west of the main stem of the Mississippi River. Data collected at these stations are used to evaluate the chemical quality of surface waters used for irrigation and the changes resulting from the drainage of irrigated lands. Prior to water year 1966, chemical quality data for irrigation was published in the annual water-supply paper series, "Quality of Surface Water for Irrigation, Western States."

Pesticide program is a network of regularly sampled water quality stations where additional monthly samples are collected to determine the concentration and distribution of pesticides in streams whose waters are used for irrigation or in streams in areas where potential contamination could result from the application of the commonly used insecticides and herbicides.

Radiochemical program is a network of regularly sampled water quality stations where additional samples are collected twice a year (at high and low flow) to be analyzed for radioisotopes. The streams that are sampled represent major drainage basins in the conterminous United States.

DOWNSTREAM ORDER AND STATION NUMBERS

Records in this report are arranged according to the downstream order of the stations involved. In determining downstream order, stations on tributaries are listed between stations on the main stream in the order in which the tributaries enter the main stream. Stations on tributaries entering above all main-stem stations are listed before the first main-stem station. Stations on tributaries to tributaries are listed similarly. In the list of stations given in the table of contents of this report, the rank of the tributaries is indicated by indentation, each indentation representing one rank.

Each station for which records have been included in this report has been assigned an eight-digit station identification number. This number is a unique number that is assigned according to the "downstream" location of the station and is the same regardless of the type of record involved. The station numbers increase in magnitude in the downstream direction within a major drainage basin, such as the Missouri River basin. The records, therefore, when arranged in ascending numerical order also are then arranged automatically in proper downstream order.

The eight-digit identification number, for example 06887000, appears to the left of the station name in the tables. The first two digits indicate the part of the country in which the station is located and the remaining six digits indicate the individual station. When station numbers are assigned, gaps are left in the number sequence to allow for new stations that may be established in the future. Consequently, lists of station numbers seldom comprise a complete sequence of numbers.

At several stations, flow is divided between two or more major channels each of which has been assigned a separate identification number differing somewhat from the regular station number. Where the channel identification numbers appear on the individual tables, the data shown in the table are stored in the U.S. Geological Survey computer storage cell by this number rather than by the regular station number.

Stream locations for partial-record or miscellaneous stations are indicated only by latitude and longitude figures given in parentheses following the station name.

WELL NUMBERS

Wells for which chemical analyses are given in this report are identified both by a U.S. Geological Survey well number, based on latitude and longitude, and a local identifier, based on the land subdivisions of the U.S. Bureau of Land Management. A U.S. Geological Survey well number consists of 15 digits. A typical USGS well number is 402910098352102. The first 6 digits denote the degrees, minutes, and seconds of latitude. The next seven digits denote degrees, minutes, and seconds of longitude. The final two digits are sequence numbers used to distinquish between wells within the same second of latitude and longitude.

An example of a typical local identifier is 21N13W14dca. The first two digits indicate the township, which in Nebraska are all north of the 40th parallel baseline. The second two digits indicate the range east or west of the 6th principal meridian. The last two digits indicate the section in which the well is located. The first lowercase letter after these digits denotes the quarter section, or 160-acre tract; the second denotes the quarter-quarter section, or 40-acre tract; and the third denotes the quarter-quarter-quarter section, or 10-acre tract. The quarter sections, quarter-quarter sections, etc., are designated a, b, c, or d in a counterclockwise direction, beginning with a in the northeast quadrant. If two or more wells are located within the smallest subdivision indicated, the wells are numbered serially.

COLLECTION AND EXAMINATION OF SAMPLES

Samples of surface water ordinarily were obtained at or near gaging stations because water-discharge data are essential for computation and interpretation of water quality records. Samples taken daily were taken by local observers trained and supervised by personnel of the Geological Survey. Samples taken less frequently than daily generally were taken by Geological Survey personnel or by personnel of cooperating agencies. The map on page VI shows the locations of the water quality sampling stations in 1972.

Samples of ground water were taken at or near the points of well discharge, mostly by personnel of the Geological Survey. Some were taken by military personnel at government installations, and a few were taken by private individuals. All samples were taken in containers provided by the Geological Survey. Wells were pumped at least several minutes before sampling to insure that water sampled had not stood for any significant period in the well casing.

Prior to the 1968 water year, data for chemical constituents and concentrations of suspended sediment were reported in parts per million (ppm) and water temperatures were reported in degrees Fahrenheit (°F). In October 1967 the U.S. Geological Survey began to use the metric system; data for chemical constituents and concentrations of suspended sediment are now reported in milligrams per liter (mg/l; MG/L in computer-generated tables) or in micrograms per liter (µg/l; UG/L in computer-generated tables). Water temperatures are given in degrees Celsius (centigrade, °C). In waters with a density of 1.000 g/ml (grams per milliliter), parts per million and milligrams per liter can be considered equal. In waters with a density greater than 1.000 g/ml, values in parts per million should be multiplied by the density to convert to milligrams per liter.

Solutes

The methods of collecting water samples and of compositing daily samples prior to laboratory analysis are described in a manual by Brown, Skougstad, and Fishman (1970). Although the manual was not published until 1970, the methods in the manual were available in loose-leaf form earlier. The laboratory results in this report are supplemented by other information in the files, such as river stage.

Temperature

Water temperatures were measured at most of the water quality stations and are reported in degrees Celsius (C°). To convert degrees Celsius to Fahrenheit, multiply by 1.8 and add 32. For daily stations, the water temperatures were taken at about the same time each day in order that the data would be relatively unaffected by diurnal variations in temperature. Most large swiftly flowing streams probably have a small diurnal variation in water temperature, whereas sluggish or shallow streams may have a daily range of several degrees and may follow closely the changes in air temperature. The thermometers used for determining the water temperature were accurate to plus or minus 0.5°C.

At stations where thermographs are located, the records consist of maximum and minimum temperatures for each day and the monthly averages of maximum daily and minimum daily temperatures.

Sediment

In general, where daily records are given, suspended-sediment samples were taken by local observers using U.S. D-43, D-49, or DH-59 depth-integrating cable or line-suspended samplers. During periods of low flow, however, some samples may have been taken with DH-48 hand samplers. Where concentrations of suspended sediment are reasonably uniform across a stream, observers samples were taken from a single vertical at a fixed point. However, where concentrations differed widely across a stream, observers samples were taken at two or more verticals to define the average concentration more accurately.

Sampling frequency at "so-called" daily stations was variable. During periods of uniform low flow, when only small amounts of sediment were in transport, samples were obtained less frequently than daily. Conversely, during periods of high flow, when large amounts of sediment were likely to be in transport, samples may have been taken more frequently than daily. Samples were taken at daily stations at irregular intervals by professional personnel using the ETR (Equal Transit Rate) method.

In the ETR method, samples are obtained with an integrating sampler at about 15-20 equally spaced verticals across the stream. Because the vertical transit rate is kept constant at all verticals, the composite of the samples from the 15-20 verticals is a sample properly weighted for differences in discharge distribution across the stream. Monthly or periodic suspended-sediment samples generally were taken by this method.

For some periods when no samples were collected, daily loads of suspended sediment were estimated from water discharge, concentrations preceding and following the periods, and loads for other periods of similar water discharge. Also considered were weather conditions and sediment discharges for other stations.

The particle-size distribution of suspended sediment was determined periodically for many stations, and that of bed material was determined for some stations.

Table 1. Reports in which ground-water records are published

	Years of reports and number of chemical analyses in each							
County	1965	1966	1967	1968	1969	1970	1971	1972
Adams.........	0	0	9	0	2	2	0	4
Antelope.....	11	16	4	9	3	2	2	0
Arthur.......	0	0	0	0	4	0	0	0
Banner.......	0	0	13	0	0	0	0	0
Blaine.......	0	1	0	0	3	0	0	0
Boone........	0	20	0	0	2	0	0	0
Box Butte....	0	0	28	0	0	0	2	0
Boyd.........	0	4	0	0	7	0	22	0
Brown........	0	12	0	0	1	0	1	0
Buffalo......	41	33	8	7	4	10	2	0
Burt.........	11	8	4	2	4	2	0	0
Butler.......	0	5	14	6	2	1	0	0
Cass.........	0	7	0	0	6	0	0	0
Cedar........	0	14	0	1	3	0	3	0
Chase........	0	0	32	0	0	0	1	0
Cherry.......	0	0	23	0	0	0	0	0
Cheyenne.....	3	0	52	0	0	0	0	0
Clay.........	0	0	48	0	2	2	0	6
Colfax.......	0	1	0	2	1	1	0	0
Cuming.......	19	18	12	10	7	5	0	0
Custer.......	0	17	0	0	2	0	0	1
Dakota.......	0	1	0	0	4	0	0	0
Dawes........	0	0	5	0	0	0	4	0
Dawson.......	34	26	6	6	3	9	1	0
Deuel........	0	0	13	0	0	0	0	0
Dixon........	0	6	0	1	3	0	0	0
Dodge........	31	22	14	10	9	5	0	0
Douglas......	6	8	2	2	15	2	0	0
Dundy........	0	0	10	0	0	0	0	0
Fillmore.....	0	0	73	0	2	3	0	6
Franklin.....	0	0	16	0	2	0	1	0
Frontier.....	0	0	4	0	0	0	0	0
Furnas.......	0	0	6	0	0	0	0	0
Gage.........	0	0	5	0	5	1	0	0
Garden.......	0	0	3	0	1	0	0	0
Garfield.....	0	2	0	0	2	0	0	0
Gosper.......	0	0	6	0	4	0	0	0
Grant........	0	0	2	0	2	0	0	0
Greeley......	0	11	0	0	1	0	0	0

Table 1. Reports in which ground-water records are published--Continued

	Years of reports and number of chemical analyses in each							
County	1965	1966	1967	1968	1969	1970	1971	1972
Hall.........	73	56	20	16	11	23	72	28
Hamilton....	0	41	0	0	26	2	0	4
Harlan......	0	0	3	0	2	0	2	0
Hayes.......	0	0	4	0	0	0	0	0
Hitchcock...	0	0	5	0	0	0	0	0
Holt........	82	124	27	7	1	0	5	29
Hooker......	0	0	2	0	2	0	0	0
Howard......	0	13	0	0	2	1	0	0
Jefferson...	0	0	53	0	2	2	0	0
Johnson.....	0	0	3	0	6	0	0	0
Kearney.....	0	0	19	0	12	8	0	5
Keith.......	0	0	24	0	0	0	0	0
Keya Paha...	12	18	5	0	1	0	3	6
Kimball.....	0	0	9	0	0	0	0	0
Knox........	6	13	2	2	4	0	5	2
Lancaster...	0	64	0	0	1	3	0	0
Lincoln.....	0	0	6	0	0	0	0	0
Logan.......	0	0	1	0	3	0	0	0
Loup........	0	1	0	0	4	0	0	0
McPherson...	0	0	0	0	4	0	0	0
Madison.....	43	38	14	7	8	6	0	0
Merrick.....	53	44	10	6	6	14	0	0
Morrill.....	0	0	15	0	0	0	0	0
Nance.......	0	40	0	0	1	0	0	0
Nemaha......	0	0	0	0	6	0	0	0
Nuckolls....	0	0	12	0	2	0	0	0
Otoe........	0	1	0	0	6	0	0	0
Pawnee......	0	0	0	0	6	0	0	0
Perkins.....	0	0	8	0	0	0	0	0
Phelps......	0	0	9	0	23	28	0	17
Pierce......	4	16	2	6	22	1	1	0
Platte......	19	11	6	3	3	2	0	0
Polk........	0	9	0	0	1	2	0	4
Red Willow..	0	0	5	0	0	0	0	0
Richardson..	0	0	5	0	5	0	0	0
Rock........	0	3	0	1	2	0	0	0
Saline......	0	0	34	0	2	1	0	2
Sarpy.......	5	4	0	0	5	0	0	0
Saunders....	1	11	6	4	1	2	0	0

Table 1. Reports in which ground-water records are published--Continued

County	Years of reports and number of chemical analyses in each							
	1965	1966	1967	1968	1969	1970	1971	1972
Scotts Bluff	0	0	32	0	0	0	1	0
Seward......	0	5	0	0	2	1	0	4
Sheridan....	0	0	50	0	0	0	1	0
Sherman.....	0	7	0	0	2	0	0	0
Sioux.......	0	0	17	0	0	0	1	0
Stanton.....	14	29	6	3	4	2	0	0
Thayer......	0	0	7	0	2	1	0	0
Thomas......	0	0	4	0	1	0	0	0
Thurston....	8	10	6	2	4	1	0	0
Valley......	0	13	0	0	1	0	0	0
Washington..	3	6	2	3	3	1	0	0
Wayne.......	0	6	0	2	1	0	0	0
Webster.....	0	0	11	0	2	0	0	0
Wheeler.....	0	4	0	0	1	0	0	0
York........	0	31	0	0	6	19	0	6

Table 2.--Factors for conversion of chemical constituents in milligrams per liter to milliequivalents per liter

Ion	Factor	Ion	Factor
Aluminum (Al^{+3}).......	0.11119	Iodide (I^{-1}).......	0.00788
Ammonia as NH_4^{+1}......	.05544	Iron (Fe^{+3})........	.05372
Barium (Ba^{+2}).........	.01456	Lead (Pb^{+2})........	.00965
Bicarbonate (HCO_3^{-1})..	.01639	Lithium (Li^{+1}).....	.14411
Bromide (Br^{-1})........	.01251	Magnesium (Mg^{+2})...	.08226
Calcium (Ca^{+2})........	.04990	Manganese (Mn^{+2})...	.03640
Carbonate (CO_3^{-2}).....	.03333	Nickel (Ni^{+2})......	.03406
Chloride (Cl^{-1}).......	.02821	Nitrate (NO_3^{-1})....	.01613
Chromium (Cr^{+6}).......	.11539	Nitrite (NO_2^{-1})....	.02174
Cobalt (Co^{+2}).........	.03394	Phosphate (PO_4^{-3})..	.03159
Copper (Cu^{+2}).........	.03148	Potassium (K^{+1})....	.02557
Cyanide (CN^{-1})........	.03844	Sodium (Na^{+1})......	.04350
Fluoride (F^{-1})........	.05264	Strontium (Sr^{+2})...	.02283
Hydrogen (H^{+1})........	.99209	Sulfate (SO_4^{-2})....	.02082
Hydroxide (OH^{-1})......	.05880	Zinc (Zn^{+2})........	.03060

NOTE: For constituent reported in micrograms per liter, multiply by the factor and then divide result by 1,000.

Table 3.--Factors for conversion of sediment concentration in milligrams per liter to parts per million* (all values to be calculated to three significant figures)

Range of concentration (mg/l)	Divide by	Range of concentration (mg/l)	Divide by
0- 8,000	1.00	395,000-409,000	1.25
8,050- 24,000	1.01	411,000-424,000	1.26
24,200- 40,000	1.02	427,000-440,000	1.27
40,500- 56,000	1.03	443,000-457,000	1.28
56,500- 72,000	1.04	460,000-473,000	1.29
72,500- 88,000	1.05	476,000-489,000	1.30
88,500-104,000	1.06	492,000-506,000	1.31
105,000-120,000	1.07	508,000-522,000	1.32
121,000-136,000	1.08	524,000-538,000	1.33
137,000-152,000	1.09	540,000-554,000	1.34
153,000-169,000	1.10	556,000-570,000	1.35
170,000-185,000	1.11	572,000-585,000	1.36
186,000-200,000	1.12	587,000-602,000	1.37
201,000-217,000	1.13	604,000-617,000	1.38
218,000-232,000	1.14	619,000-634,000	1.39
234,000-248,000	1.15	636,000-650,000	1.40
250,000-264,000	1.16	652,000-666,000	1.41
266,000-280,000	1.17	668,000-682,000	1.42
282,000-297,000	1.18	684,000-698,000	1.43
299,000-313,000	1.19	700,000-715,000	1.44
315,000-329,000	1.20	717,000-730,000	1.45
331,000-345,000	1.21	732,000-747,000	1.46
347,000-361,000	1.22	749,000-762,000	1.47
363,000-378,000	1.23	765,000-780,000	1.48
380,000-393,000	1.24	782,000-796,000	1.49
		798,000-810,000	1.50

*Based on water density of 1.00 g/ml and a specific gravity of sediment of 2.65.

WATER-SUPPLY PAPERS

The table below shows the annual series of water-supply papers that give information on the quality of surface waters in Nebraska.

U.S. Geological Survey, Quality of surface waters of the United States; water years 1941-49: U.S. Geol. Survey Water-Supply Papers:

Year	WSP	Year	WSP	Year	WSP
1941	942	1944	1022	1947	1102
1942	950	1945	1030	1948	1132
1943	970	1946	1050	1949	1162

U.S. Geological Survey, Quality of surface waters of the United States; Parts 5-6, Hudson Bay and Upper Mississippi River basins, and Missouri River basin; water years 1950-71: U.S. Geol. Survey Water-Supply Papers:

Year	WSP	Year	WSP	Year	WSP
1950	1187	1957	1521	1964	1956
1951	1198	1958	1572	1965	1963
1952	1251	1959	1643	1966	1993
1953	1291	1960	1743	1967	2013
1954	1351	1961	1883	1968	AB2095
1955	1401	1962	1943	1969	AB2145
1956	1451	1963	1949	1970	AB2155
				1971	AB2165

A In preparation.
B Part 6.

SELECTED REFERENCES

The following publications are available for background information on the methods for collecting, analyzing, and evaluating the chemical and physical properties of surface waters:

American Public Health Association and others, 1971, Standard methods for the examination of water and wastewater, 13th ed.: Am. Public Health Assoc., New York, 874 p.

Brown, Eugene, Skougstad, M. W., and Fishman, M. J., 1970, Methods for collection and analysis of water samples for dissolved minerals and gases: U.S. Geol. Survey Techniques of Water-Resources Investigation, book 5, chap. A1, 160 p.

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Guy, H. P., 1970, Fluvial sediment concepts: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. C1, 55 p.

____, 1969, Laboratory theory and methods for sediment analysis: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. C1, 58 p.

Guy, H. P., and Norman, V. W., 1970, Field methods for measurement of fluvial sediment: U.S. Geol. Survey Techniques of Water-Resources Inv., book 3, chap. C2, 59 p.

Hem, J. D., 1959, Study and interpretation of the chemical characteristics of natural water: U.S. Geol. Survey Water-Supply Paper 1473, 269 p.

Langbein, W. B., and Iseri, K. T., 1960, General introduction and hydrologic definitions: U.S. Geol. Survey Water-Supply Paper 1541-A, 29 p.

Porterfield, George, 1972, Computations of fluvial-sediment discharge: U.S. Geol. Survey Techniques of Water Resources Inv., book 3, chap. C3, 66 p.

Ritter, J. R., and Helley, E. J., 1969, Optical method for determining particle sizes of coarse sediment: U.S. Geol. Survey Techniques of Water-Resources Inv., book 5, chap. C3, 33 p.

U.S. Inter-Agency Committee on Water Resources, A study of methods used in measurement and analysis of sediment loads in streams:

Report 11, 1957, The development and calibration of visual accumulation tube: St. Anthony Falls Hydraulic Lab., Minneapolis, Minn., 109 p., 43 figs.
Report 12, 1957, Some fundamentals of particle-size analysis: U.S. Govt. Printing Office, Washington, D.C. 20402, 55 p., 9 figs.
Report AA, 1959, Federal Inter-Agency sedimentation instruments and reports: St. Anthony Falls Hydraulic Lab., Minneapolis, Minn., 41 p., 27 figs.
Report 13, 1961, The single stage sampler for suspended sediment: U.S. Govt. Printing Office, Washington, D.C. 20402, 105 p., 51 figs.
Report 14, 1963, Determinations of fluvial sediment discharge: U.S. Govt. Printing Office, Washington, D.C. 20402, 151 p., 70 figs.

WATER QUALITY RECORDS

PART 6. MISSOURI RIVER BASIN

WHITE RIVER BASIN

06445000 WHITE RIVER NEAR WHITNEY, NEBR.

LOCATION.--Lat 42°48'42", long 103°09'59", in SE¼NE¼NE¼ sec.26, T.33 N., R.50 W., Dawes County, at county road bridge 1.7 miles north and 4.5 miles east of Whitney.

DRAINAGE AREA.--676 sq mi.

PERIOD OF RECORD.--Chemical analyses: August 1969 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED MAN-GANESE (MN) (MG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 14...	20	20	62	14	63	130	7.9	.5	.05	.64	.23	110
NOV. 10...	8.6	130	78	23	150	350	12	.6	.32	.83	.20	210
DEC. 15...	2.4	280	120	40	250	610	22	.7	.03	1.1	.11	360
JAN. 24...	3.9	170	76	21	110	280	12	.8	.17	1.0	.19	180
FEB. 15...	1.9	150	84	22	120	290	12	.7	.10	1.0	.10	180
MAR. 15...	32	58	66	12	55	93	7.4	.7	.09	--	.39	90
APR. 11...	8.5	60	82	25	160	380	16	.7	.05	.06	.10	200
MAY 08...	6.7	30	82	18	120	240	14	.7	.07	.06	.14	170
JUNE 08...	7.4	20	89	21	140	300	16	.8	.11	.40	.19	230

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)
OCT. 14...	500	.68	27.5	210	1.9	680	1.8	.00	--	--	--
NOV. 10...	892	1.21	20.7	290	3.8	1280	1.5	.00	--	--	--
DEC. 15...	1220	1.66	7.91	460	5.1	1860	.6	.00	.00	.0	.00
JAN. 24...	736	1.00	7.75	280	2.9	992	3.4	.00	--	--	--
FEB. 15...	764	1.04	3.92	300	3.0	1070	1.2	.00	--	--	--
MAR. 15...	298	.41	25.7	210	1.6	620	1.5	.00	.00	.0	.00
APR. 11...	896	1.22	20.6	310	4.0	1270	1.8	.00	--	--	--
MAY 08...	740	1.01	13.4	280	3.1	982	1.3	.00	--	--	--
JUNE 08...	824	1.12	16.5	310	3.5	1150	3.0	.00	.00	.0	.00

06445000 WHITE RIVER NEAR WHITNEY, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT. 14...	--	--	--	--	--	--	--	--	--	--	0
NOV. 10...	--	--	--	--	--	--	--	--	--	--	6
DEC. 15...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	4
JAN. 24...	--	--	--	--	--	--	--	--	--	--	0
FEB. 15...	--	--	--	--	--	--	--	--	--	--	20
MAR. 15...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2
APR. 11...	--	--	--	--	--	--	--	--	--	--	6
MAY 08...	--	--	--	--	--	--	--	--	--	--	3
JUNE 08...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	3

DATE	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT. 14...	10	0	0	9	1	.2	8	10	10	0	30
NOV. 10...	0	0	0	7	0	.5	0	5	8	0	40
DEC. 15...	0	0	0	8	4	.3	2	50	3	0	30
JAN. 24...	0	0	0	12	2	.2	5	17	4	1	50
FEB. 15...	0	0	0	3	2	2.2	2	12	4	0	10
MAR. 15...	0	1	0	3	2	3.0	--	5	12	0	20
APR. 11...	0	0	0	8	1	8.9	42	7	7	2	30
MAY 08...	--	0	0	4	1	2.1	9	5	9	0	20
JUNE 08...	0	1	0	8	4	1.8	8	5	14	0	20

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT. 14...	1000	20	7.9	9.0	60	9.2	630
NOV. 10...	1100	8.6	8.0	2.0	40	12.3	53
DEC. 15...	1125	2.4	7.8	1.0	10	12.6	11
JAN. 24...	1100	3.9	8.2	1.0	20	12.2	13
FEB. 15...	1130	1.9	7.8	.5	15	11.5	0
MAR. 15...	1030	32	8.4	7.0	70	10.5	160
APR. 11...	1000	8.5	8.3	13.0	10	10.9	74
MAY 08...	1600	6.7	8.5	15.0	15	11.1	170
JUNE 08...	0900	7.4	8.2	20.0	50	7.3	1400

06455900 NIOBRARA RIVER NEAR DUNLAP, NEBR.

LOCATION.--Lat 42°37'48", long 102°55'47", in SE¼NW¼ sec.26, T.29 N., R.48 W., Dawes County, 0.5 mile upstream from gaging station, at county road bridge 0.7 mile upstream from Cottonwood Creek, and 2.0 miles east of Dunlap.

DRAINAGE AREA.--1,580 sq mi, approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
FEB. 14...	12	50	40	8.3	23	6.4	216	0	16	3.6	.7
AUG. 25...	134	34	25	9.6	26	9.2	179	0	14	5.1	.8

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
FEB. 14...	1.1	.04	50	259	.35	8.39	130	0	.9	0
AUG. 25...	.07	.03	60	212	.29	76.7	100	0	1.1	5

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
13...	1005	14	375	7.9	7.0	10	10.6
27...	1035	12	395	7.5	8.0	15	9.8
NOV.							
09...	1020	12	440	8.0	4.0	3	12.3
24...	1025	17	420	8.0	2.0	5	11.8
DEC.							
13...	1025	10	415	7.9	1.0	2	11.8
27...	1000	12	355	8.0	.0	6	11.9
JAN.							
12...	1010	11	350	7.9	.0	15	11.6
FEB.							
14...	1020	12	382	7.9	1.0	10	11.8
MAR.							
13...	1030	12	355	8.1	8.0	10	11.2
APR.							
10...	1050	12	400	8.1	12.0	2	11.0
MAY							
08...	1300	13	510	8.4	13.0	2	11.2
JUNE							
19...	1000	12	435	7.9	16.0	15	8.6
JULY							
10...	1015	96	382	8.1	21.0	25	8.3
25...	1430	165	312	8.2	24.0	75	7.4
AUG.							
11...	1400	126	340	8.3	26.0	25	7.1
25...	1400	134	375	8.5	22.0	15	7.7
SEP.							
08...	1300	41	385	7.7	22.0	10	8.1
25...	1545	12	400	8.6	16.0	10	9.4

06457000 NIOBRARA RIVER NEAR COLCLESSER, NEBR.

LOCATION.--Lat 42°33'39", long 102°29'58", in NW¼SE¼SE¼ sec.29, T.30 N., R.44 W., Sheridan County, at wooden bridge 1 mile west of Colclesser Hill School, about 2 miles upstream from Pine Creek, and 2.2 miles southwest of State Highway 250 bridge crossing.

DRAINAGE AREA.--2,220 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
FEB.											
14...	42	48	45	7.5	18	7.7	206	0	19	2.9	.5
AUG.											
25...	27	44	44	9.0	22	12	211	0	20	4.1	.7

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
FEB.										
14...	.96	.03	40	254	.35	28.9	140	0	.7	3
AUG.										
25...	.05	.07	50	260	.35	19.0	150	0	.8	5

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
13...	1225	46	395	8.0	11.0	10	10.2
27...	1230	47	400	7.5	11.0	10	9.5
NOV.							
09...	1305	47	430	8.0	8.0	8	11.3
24...	1330	49	410	8.1	2.0	10	11.6
DEC.							
13...	1305	40	455	7.9	1.0	6	11.3
27...	1250	45	400	7.9	.0	4	11.2
JAN.							
12...	1320	41	365	8.0	.0	10	11.2
FEB.							
14...	1400	42	378	7.9	1.0	10	11.3
MAR.							
13...	1240	53	405	8.2	11.0	15	10.5
APR.							
10...	1215	50	405	8.3	17.0	5	9.6
MAY							
08...	1045	57	435	8.4	10.0	15	10.5
JUNE							
19...	1245	48	390	8.4	17.0	15	8.9
JULY							
10...	1345	38	380	8.5	30.0	20	8.2
25...	1100	45	380	7.7	26.0	20	7.9
AUG.							
11...	1100	25	390	8.5	26.0	10	7.8
25...	1130	27	370	8.3	21.0	10	8.4
SEP.							
08...	1045	34	375	8.0	15.0	10	8.5
27...	1420	42	425	8.3	18.0	15	9.4

06459200 SNAKE RIVER ABOVE MERRITT RESERVOIR, NEBR.

LOCATION.--Lat 42°35'40", long 101°02'20", in NE¼ sec.11, T.30 N., R.32 W., Cherry County, temperature recorder at gaging station, on left bank 5 ft upstream from steel piling control, 1,200 ft upstream from Shelbourn Bridge, 0.7 mile northwest of Swanson Camp, 8.5 miles southeast of headquarters for Nebraska National Forest (Niobrara Division), 10 miles upstream from Boardman Creek, and 14.5 miles upstream from Merritt Dam.

DRAINAGE AREA (revised).--440 sq mi, approximately, of which about 28 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1963 to September 1972.

EXTREMES.--1971-72:
Water temperatures: Maximum, 31.5°C July 11; minimum, freezing point on many days during November to February.

Period of record:
Water temperatures: Maximum (1963-66, 1968-69, 1970-72), 31.5°C June 26, 1971, July 11, 1972; minimum, freezing point on many days during winter period.

Not done

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	---	---	---	---	---	---	0.0	0.0	0.5	0.0	5.5	0.5
2	---	---	---	---	---	---	0.0	0.0	0.5	0.5	7.0	0.5
3	---	---	---	---	---	---	0.5	0.0	0.5	0.5	6.0	1.0
4	---	---	---	---	---	---	0.5	0.0	0.5	0.0	3.0	0.5
5	---	---	---	---	---	---	0.5	0.0	0.0	0.0	7.0	0.5
6	---	---	---	---	---	---	0.0	0.0	0.0	0.0	10.5	5.0
7	---	---	---	---	---	---	0.0	0.0	0.0	0.0	7.0	2.0
8	---	---	---	---	---	---	0.0	0.0	0.0	0.0	8.0	0.5
9	---	---	---	---	---	---	0.0	0.0	0.0	0.0	9.5	3.5
10	---	---	---	---	---	---	0.0	0.0	0.0	0.0	13.5	4.0
11	---	---	---	---	---	---	0.0	0.0	0.0	0.0	15.5	8.5
12	---	---	---	---	---	---	0.5	0.0	0.0	0.0	12.0	9.0
13	---	---	---	---	---	---	0.5	0.5	0.0	0.0	13.0	8.5
14	---	---	---	---	---	---	0.5	0.5	0.0	0.0	11.5	8.0
15	---	---	---	---	---	---	0.5	0.0	3.5	0.0	11.5	6.5
16	---	---	9.0	0.0	---	---	0.0	0.0	5.5	2.0	11.0	5.5
17	---	---	---	---	---	---	0.0	0.0	5.0	0.5	11.5	8.5
18	---	---	---	---	---	---	0.0	0.0	4.5	0.0	14.5	5.5
19	---	---	---	---	---	---	0.0	0.0	8.0	1.5	15.0	9.0
20	---	---	---	---	---	---	0.5	0.0	9.0	4.5	11.5	8.5
21	---	---	---	---	---	---	0.5	0.0	7.0	4.0	14.5	6.0
22	---	---	---	---	---	---	0.0	0.0	4.0	0.5	14.5	8.5
23	---	---	---	---	---	---	3.0	0.0	8.0	1.5	11.5	6.5
24	---	---	---	---	---	---	1.5	0.5	4.5	0.5	9.0	6.0
25	---	---	---	---	---	---	0.5	0.5	7.0	2.0	13.0	5.0
26	---	---	---	---	---	---	0.5	0.5	6.5	1.5	9.0	6.5
27	17.0	5.5	---	---	---	---	1.0	0.5	9.5	3.5	10.0	3.5
28	---	---	---	---	6.0	0.0	1.0	0.0	12.0	6.0	9.5	3.5
29	---	---	---	---	0.5	0.0	0.5	0.0	10.5	5.5	11.0	3.5
30	---	---	---	---	0.5	0.0	0.5	0.0	---	---	10.0	4.5
31	---	---	---	---	0.0	0.0	0.5	0.0	---	---	8.0	3.5
MONTH	---	---	---	---	---	---	3.0	0.0	12.0	0.0	15.5	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	12.0	2.0	9.5	6.0	27.0	17.0	26.0	19.0	23.5	18.5	18.0	15.0
2	13.5	9.5	8.5	5.5	26.0	19.0	22.0	15.0	21.5	17.0	17.0	13.0
3	11.0	4.0	17.0	7.0	25.0	20.5	19.0	13.0	20.5	15.0	21.5	14.0
4	13.5	5.0	19.0	11.0	28.0	19.0	22.0	15.0	22.0	16.5	24.0	15.5
5	16.5	8.0	16.0	13.5	26.0	20.0	24.5	15.0	28.0	19.0	23.0	16.5
6	16.0	10.0	13.5	9.5	26.0	20.0	24.0	18.0	25.0	19.0	21.0	17.0
7	17.0	9.0	15.5	8.0	28.0	20.0	27.0	18.5	27.0	18.0	21.0	15.5
8	13.0	8.0	18.0	10.0	29.0	20.0	27.0	18.5	26.5	19.0	21.5	14.5
9	14.5	6.0	13.0	10.5	29.0	20.5	27.0	19.0	27.0	18.5	24.0	16.5
10	15.5	9.0	10.5	10.0	24.0	19.0	29.0	18.5	26.5	19.5	25.5	19.5
11	16.5	9.5	15.5	10.0	28.5	18.0	31.5	21.0	28.5	19.5	21.5	16.5
12	15.0	11.5	16.5	12.0	28.5	21.0	28.5	21.0	29.0	21.0	24.0	18.0
13	15.0	9.0	15.0	11.0	21.5	19.0	29.0	19.0	28.0	21.0	21.5	16.5
14	10.0	6.5	21.5	10.0	26.0	16.0	26.0	20.5	26.5	20.0	20.5	14.5
15	15.5	5.0	24.5	15.0	26.0	18.0	25.5	17.0	28.5	20.0	23.0	14.5
16	18.0	9.5	26.5	16.5	21.5	18.0	28.0	18.5	30.5	20.5	22.0	14.0
17	18.5	9.5	25.5	18.0	22.0	17.0	24.5	18.5	29.0	21.5	21.0	14.5
18	12.0	7.0	24.5	16.5	27.0	18.5	26.0	18.0	29.0	21.0	22.0	14.5
19	8.0	6.5	22.0	16.5	24.5	15.0	29.0	19.5	27.0	20.5	21.0	16.0
20	9.0	7.0	26.0	16.0	20.5	12.0	23.5	16.5	24.5	20.0	20.0	15.0
21	14.0	6.5	26.5	18.5	19.5	14.5	27.0	16.5	25.0	19.0	18.0	11.0
22	13.0	9.5	25.0	18.0	20.5	14.0	29.0	20.5	24.5	18.0	18.0	10.5
23	15.0	8.0	22.0	18.0	24.0	15.0	29.0	20.5	20.5	15.5	18.5	13.0
24	16.5	9.0	25.5	15.0	27.0	18.0	28.5	19.5	19.0	15.0	16.0	12.0
25	12.0	6.5	24.5	16.5	27.0	19.0	27.0	20.0	22.0	14.0	13.5	10.5
26	9.0	8.0	24.0	17.0	27.0	18.5	30.0	20.5	24.5	15.0	14.0	8.5
27	8.5	8.0	20.5	17.0	26.0	18.5	26.0	20.5	25.0	16.5	17.0	9.0
28	9.0	8.0	21.0	15.5	25.0	17.0	26.0	19.0	26.0	18.0	15.5	11.0
29	13.0	8.5	18.0	14.5	29.0	18.5	29.0	19.0	25.5	19.0	14.5	10.5
30	11.0	9.5	20.5	13.0	27.0	20.0	30.0	20.5	26.0	18.5	16.0	9.5
31	---	---	24.5	13.5	---	---	25.0	20.5	23.0	17.0	---	---
MONTH	18.5	2.0	26.5	5.5	29.0	12.0	31.5	13.0	30.5	14.0	25.5	8.5

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.

LOCATION.--Lat 42°44'25", long 98°12'45", near center of NW¼ sec.23, T.32 N., R.8 W., Knox County, temperature recorder at gaging station at Pishelville Bridge, 6 miles south of Verdel and 7 miles upstream from Verdigre Creek.

DRAINAGE AREA.--12,600 sq mi, approximately.

PERIOD OF RECORD.--Water temperatures: June 1958 to September 1965, October 1966 to September 1972.
Sediment records: October 1971 to September 1972.

EXTREMES.--1971-72:
Water temperatures: Maximum, 33.5°C July 11; minimum, freezing point on many days during November to April.
Sediment concentrations: Maximum daily, 6,500 mg/l Mar. 12; minimum daily, 200 mg/l July 15.
Sediment discharge: Maximum daily, 70,000 tons Mar. 12; minimum daily, 500 tons Oct. 10.

Period of record:
Water temperatures: Maximum, 38°C July 22, 1964; minimum, freezing point on many days during winter period.

REMARKS.--Prior to July 1, sediment samples collected and analyzed by the U.S. Corps of Engineers.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(RECORDED WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	23.5	16.0	9.0	5.0	1.5	0.0	0.5	0.0	0.5	0.5	0.5	0.5
2	19.0	13.5	8.5	4.0	0.5	0.0	0.5	0.5	1.0	0.5	0.5	0.5
3	15.5	10.0	8.5	3.5	0.0	0.0	1.0	0.5	1.0	0.5	0.5	0.0
4	19.0	10.0	8.5	4.5	0.0	0.0	1.0	0.5	1.0	0.5	0.5	0.0
5	19.0	13.0	7.0	4.0	0.5	0.0	1.0	0.0	1.0	0.5	0.5	0.0
6	20.0	11.0	4.0	3.0	0.5	0.0	1.0	0.0	1.0	0.5	0.0	0.0
7	20.5	11.5	3.5	2.0	0.5	0.0	0.5	0.0	1.0	0.5	0.5	0.0
8	14.5	10.5	4.5	2.0	0.5	0.5	0.0	0.0	0.5	0.0	0.5	0.0
9	14.0	9.0	6.5	1.5	1.5	0.5	0.5	0.0	0.5	0.5	0.0	0.0
10	18.0	8.5	8.0	3.0	0.5	0.0	0.0	0.0	1.0	0.0	0.0	0.0
11	18.0	10.0	9.0	4.0	1.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0
12	16.5	11.0	8.0	4.5	1.0	0.5	0.5	0.0	0.5	0.0	0.0	0.0
13	16.5	9.5	9.5	5.0	0.5	0.5	1.0	0.5	0.5	0.0	0.0	0.0
14	16.5	10.0	11.0	6.5	0.5	0.5	1.0	1.0	0.0	0.0	0.0	0.0
15	14.0	10.5	8.5	5.5	0.5	0.0	1.0	0.5	0.5	0.0	3.5	0.0
16	12.0	10.0	8.5	6.5	0.5	0.5	0.5	0.0	0.5	0.0	7.0	2.0
17	21.0	12.0	6.5	3.5	0.5	0.5	0.5	0.0	0.5	0.0	8.5	5.5
18	20.5	14.5	4.5	2.0	0.5	0.0	0.5	0.0	0.5	0.0	10.5	4.5
19	17.0	10.5	2.0	1.0	0.5	0.0	0.5	0.5	0.5	0.0	13.0	5.5
20	15.0	9.5	5.0	2.0	0.5	0.0	0.5	0.5	0.0	0.0	10.0	6.5
21	16.0	9.0	4.5	1.5	0.5	0.0	1.0	0.0	0.5	0.0	10.5	5.5
22	16.5	11.0	3.0	1.5	0.5	0.0	0.5	0.0	0.5	0.0	11.0	5.0
23	14.5	12.0	4.0	1.0	0.5	0.0	0.5	0.5	0.0	0.0	8.5	4.5
24	15.0	10.0	4.0	0.5	0.5	0.5	1.0	0.5	0.5	0.0	5.0	2.0
25	16.0	11.0	3.5	1.0	0.5	0.0	1.0	1.0	0.0	0.0	4.5	1.5
26	17.0	10.5	3.5	1.5	1.0	0.5	1.0	1.0	0.5	0.0	3.5	2.0
27	16.0	9.0	2.0	1.5	1.0	0.5	1.0	1.0	0.0	0.0	8.5	2.0
28	9.0	5.0	1.5	0.5	1.0	0.0	1.0	0.5	0.0	0.0	6.5	2.0
29	5.0	4.0	0.5	0.0	0.5	0.5	1.0	0.0	0.5	0.0	6.5	1.0
30	4.5	3.0	0.0	0.0	1.0	0.5	0.5	0.0	---	---	7.0	2.0
31	7.0	2.0	---	---	1.0	0.0	0.5	0.0	---	---	4.5	1.5
MONTH	23.5	2.0	11.0	0.0	1.5	0.0	1.0	0.0	1.0	0.0	13.0	0.0

not here

NIOBRARA RIVER BASIN

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	8.0	0.0	11.5	8.5	26.5	19.0	31.5	21.5	23.0	21.0	20.5	18.5
2	10.0	1.0	9.0	8.0	26.0	21.5	25.0	19.5	21.0	19.5	19.0	16.0
3	8.5	7.0	10.0	9.0	25.0	22.0	25.0	16.5	22.0	18.0	23.0	17.0
4	12.0	1.5	14.0	10.0	24.5	27.0	25.0	18.5	23.5	19.0	24.5	19.0
5	16.0	5.5	18.5	13.0	28.0	23.0	26.0	17.0	25.0	20.0	24.0	20.0
6	18.5	9.5	16.0	11.0	30.0	23.0	29.0	18.5	23.5	20.5	23.0	21.0
7	15.5	9.5	13.5	10.0	28.5	23.5	29.0	21.0	24.0	19.0	23.0	19.0
8	9.5	5.5	14.5	11.5	28.5	23.5	33.0	21.5	24.0	19.5	23.0	18.0
9	14.0	5.0	13.5	12.0	28.5	24.5	31.5	22.0	22.0	18.5	24.5	20.0
10	16.5	9.0	12.0	11.0	25.0	21.0	31.0	24.0	23.5	19.0	26.0	23.0
11	14.5	9.5	11.5	11.0	25.0	19.5	33.5	23.0	26.0	20.5	23.0	20.0
12	18.0	11.0	13.5	11.5	28.5	22.0	30.0	23.5	26.5	22.0	24.0	21.0
13	16.5	10.5	13.0	11.5	26.0	23.5	31.0	21.0	26.5	23.5	23.0	19.5
14	11.0	8.0	18.5	11.5	24.5	21.5	30.0	23.5	25.5	23.5	21.5	16.5
15	14.5	6.0	21.5	15.5	25.5	22.0	30.0	20.5	25.0	23.0	22.0	16.5
16	20.0	8.5	26.0	19.5	24.5	20.5	29.5	21.5	25.0	23.0	22.0	18.0
17	20.5	10.5	24.0	20.0	23.5	19.0	25.5	19.5	25.5	23.0	23.0	16.5
18	13.0	9.0	22.0	20.0	21.5	20.0	28.5	20.0	25.5	23.0	25.0	18.0
19	9.0	8.0	24.0	19.0	22.0	21.0	29.5	22.0	25.5	23.5	25.0	20.5
20	9.5	7.0	24.0	20.5	21.0	19.5	25.0	21.0	26.0	24.0	22.0	17.0
21	9.5	8.0	25.0	21.0	23.5	16.5	26.0	20.5	25.0	24.0	19.5	14.0
22	13.0	6.0	24.0	20.0	25.0	17.0	29.5	23.0	24.0	21.0	18.5	13.0
23	13.5	5.5	20.0	19.0	22.0	19.0	28.0	24.0	21.5	20.0	18.5	13.0
24	14.5	6.0	21.5	18.5	21.0	18.5	28.0	23.5	21.0	19.5	18.5	15.0
25	14.0	6.5	25.5	19.0	22.0	19.0	27.0	24.0	21.0	19.0	16.0	12.0
26	9.0	8.0	28.5	21.0	30.0	20.5	26.5	23.0	21.5	19.0	15.5	10.0
27	8.0	7.0	25.5	20.5	28.0	22.0	25.5	23.5	24.0	19.5	14.5	11.0
28	9.0	8.0	24.0	20.0	27.0	20.5	23.5	21.0	25.5	20.0	15.0	12.0
29	14.5	9.0	21.5	18.5	31.0	20.0	23.5	20.5	26.0	21.5	14.0	11.0
30	13.5	11.5	21.0	16.0	32.0	22.0	29.5	21.0	24.5	21.5	15.5	10.0
31	---	---	24.0	16.5	---	---	25.5	22.0	24.0	20.5	---	---
MONTH	20.5	0.0	28.5	8.0	32.0	16.5	33.5	16.5	26.5	18.0	26.0	10.0

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCENTRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1070	750	2200	1600	1700	7300	1560	1600	6700
2	1190	800	2600	1550	1500	6300	1300	1500	5300
3	1080	750	2200	1500	1500	6100	1180	2500	8000
4	787	700	1500	1500	1400	5700	1500	2900	12000
5	885	700	1700	1400	1300	4900	1360	2700	9900
6	865	710	1700	1080	1100	3200	1360	2400	8800
7	848	550	1300	640	1200	2100	1580	2300	9800
8	1040	380	1100	2600	1400	9800	1030	900	2500
9	938	220	560	1720	1600	7400	359	800	800
10	715	260	500	1300	1600	5600	680	1500	2800
11	733	500	990	1340	1400	5100	1200	3600	12000
12	834	700	1600	1540	1100	4600	880	5700	14000
13	729	890	1800	1580	950	4100	800	5800	13000
14	899	850	2100	1480	900	3600	800	5800	13000
15	990	780	2100	1600	800	3500	1100	5800	17000
16	961	750	1900	2160	750	4400	1140	5800	18000
17	895	750	1800	2160	440	2600	1160	4800	15000
18	985	800	2100	1740	440	2100	1200	3300	11000
19	1390	960	3600	1420	480	1800	1200	3600	12000
20	1260	950	3200	1260	850	2900	1200	4300	14000
21	1260	1000	3400	1600	1600	6900	1300	3500	12000
22	1040	1000	2800	1640	1800	8000	1450	2100	8200
23	1030	990	2800	1480	2100	8400	1700	1900	8700
24	1110	1100	3300	1580	2300	9800	1650	2500	11000
25	1160	1900	6000	1620	2100	9200	1550	3400	14000
26	1020	1900	5200	1420	1800	6900	1500	3600	15000
27	1260	1900	6500	1120	1700	5100	1000	2900	7800
28	1300	1700	6000	1120	1600	4800	620	1900	3200
29	1450	1600	6300	1180	1600	5100	450	1200	1500
30	1750	1800	8500	1140	1500	4600	440	850	1000
31	1700	1900	8700	--	--	--	600	800	1300
TOTAL	33174	--	96050	45070	--	161900	34849	--	289300

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	860	800	1900	840	550	1200	2150	600	3500
2	1140	900	2800	940	600	1500	1900	550	2800
3	1200	1000	3200	1020	600	1600	1850	570	2800
4	1250	1000	3400	1080	630	1800	1700	750	3400
5	1250	750	2500	1100	600	1800	1700	880	4000
6	960	490	1300	1080	550	1600	2100	900	5100
7	980	400	1100	1100	500	1500	2600	950	6700
8	1040	560	1600	1120	470	1400	2700	900	6600
9	1180	500	1600	1140	480	1500	2800	900	6800
10	1250	270	910	1160	600	1900	2900	860	6700
11	1250	240	800	1180	650	2100	3700	4900	49000
12	1350	260	950	1200	730	2400	4000	6500	70000
13	1250	260	900	1180	850	2700	3000	3200	26000
14	1100	280	850	1240	920	3100	2330	2700	17000
15	860	300	700	1200	950	3100	2220	2200	13000
16	820	320	710	1550	900	3800	1840	1700	8400
17	720	380	750	2100	820	4600	1600	1500	6500
18	880	470	1100	2000	800	4300	1380	1400	5200
19	1000	480	1300	2200	800	4800	1400	1700	6400
20	1300	480	1700	2300	700	4300	1300	2100	7400
21	1450	470	1800	2350	700	4400	1260	1900	6500
22	1550	460	1900	2300	600	3700	1320	1200	4300
23	1500	440	1800	2200	550	3300	1180	1300	4100
24	1500	420	1700	2050	550	3000	1160	1600	5000
25	1400	400	1500	2050	550	3000	1280	1900	6600
26	1240	380	1300	2050	500	2800	1480	2100	8400
27	920	360	900	2100	500	2800	1600	2300	9900
28	700	340	640	2300	610	3800	1320	2600	9300
29	680	380	700	2700	650	4700	1240	2400	8000
30	760	490	1000	--	--	--	1420	1900	7300
31	780	500	1100	--	--	--	1540	1400	5800
TOTAL	34120	--	44410	46830	--	82500	59970	--	332500

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1420	970	3700	5120	3100	43000	1400	800	3000
2	1360	800	2900	4710	2700	34000	1350	780	2800
3	1360	780	2900	3370	2400	22000	1350	800	2900
4	1180	800	2500	2050	2000	11000	1350	900	3300
5	1230	850	2800	2140	1700	9800	1350	1100	4000
6	1310	850	3000	2640	1400	10000	1340	1100	4000
7	1270	770	2600	2120	1200	6900	1500	1400	5700
8	1440	900	3500	2200	1200	7100	1360	970	3600
9	1510	1500	6100	2050	1200	6600	1200	750	2400
10	1460	1200	4700	2160	1300	7600	1080	700	2000
11	1520	850	3500	2760	2200	16000	1100	800	2400
12	1590	900	3900	4570	4900	60000	1220	750	2500
13	1470	1200	4800	5440	4000	59000	1340	800	2900
14	1470	1400	5600	4340	2400	28000	1540	820	3400
15	1270	1500	5100	3270	2000	18000	1340	550	2000
16	1600	1400	6000	2830	1800	14000	1420	650	2500
17	1830	1700	8400	2290	1800	11000	1400	720	2700
18	1650	2000	8900	2240	1800	11000	1660	800	3600
19	1680	1800	8200	2170	1800	11000	1800	1200	5800
20	2080	1600	9000	2210	1900	11000	1800	750	3600
21	2020	1500	8200	2170	1700	10000	1600	600	2600
22	1950	1400	7400	2170	1300	7600	1500	600	2400
23	1680	1500	6800	1800	1300	6300	1350	600	2200
24	1600	1800	7800	1800	1100	5300	1600	850	3700
25	1490	2400	9700	1600	1000	4300	2100	1200	6800
26	2140	2900	17000	1500	900	3600	1500	1200	4900
27	3030	2900	24000	1600	850	3700	1360	850	3100
28	3290	1400	12000	1850	800	4000	1400	600	2300
29	2600	1400	9800	1750	800	3800	1350	600	2200
30	3280	1900	17000	1750	800	3800	1160	600	1900
31	--	--	--	1600	800	3500	--	--	--
TOTAL	52780	--	217800	80270	--	452900	42020	--	97200

06465500 NIOBRARA RIVER NEAR VERDEL, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	1300	650	2300	1640	1300	5800	941	720	1800
2	1300	660	2300	1750	1400	6600	1100	600	1800
3	1450	550	2200	1590	1400	6000	1060	400	1100
4	1160	440	1400	1630	1200	5300	995	800	2100
5	1200	440	1400	1760	750	3600	995	1300	3500
6	1000	440	1200	1670	1000	4500	919	1100	2700
7	920	440	1100	1480	1000	4000	1010	700	1900
8	900	430	1000	1510	720	2900	1040	400	1100
9	820	360	800	1150	700	2200	1070	320	920
10	840	250	570	1350	750	2700	1060	270	770
11	860	280	650	1720	800	3700	1050	600	1700
12	780	350	740	1520	750	3100	1140	1000	3100
13	780	360	750	1440	670	2600	1220	1000	3300
14	1390	310	1200	1340	600	2200	1400	1000	3800
15	1100	200	600	1210	540	1800	1190	280	900
16	1200	280	910	1120	460	1400	1230	400	1300
17	1640	1100	4900	1050	320	900	1120	470	1400
18	2170	1300	7600	1030	250	700	1150	400	1200
19	1850	1100	5500	974	360	950	1140	360	1100
20	2250	1600	9700	964	490	1300	1100	360	1100
21	2600	1600	11000	1120	900	2700	1430	720	2800
22	1690	1200	5500	1110	1200	3600	1270	550	1900
23	1370	1000	3700	1200	1100	3600	1300	600	2100
24	1340	700	2500	1200	800	2600	1280	600	2100
25	1360	700	2600	1160	560	1800	1360	650	2400
26	1700	1100	5300	1110	420	1300	1320	640	2300
27	1850	1100	5500	1060	400	1100	1300	700	2500
28	1660	1100	4900	989	400	1100	1270	800	2700
29	2030	1700	9300	942	380	950	1270	990	3400
30	1640	1500	6600	817	350	770	1280	1000	3500
31	1390	1400	5300	811	420	900	--	--	--
TOTAL	43540	--	109020	38422	--	82670	35110	--	62270

TOTAL DISCHARGE FOR YEAR (CFS-DAYS)	547955
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS)	2020520

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
NOV.										
21...	1623	4.0	1580	1690	7210	1	23	87	100	--
DEC.										
06...	1630	.0	1930	2390	12400	4	49	96	100	--
22...	1515	1.0	1600	1770	7650	1	22	91	100	--
FEB.										
20...	1410	1.0	2600	778	5460	1	15	76	100	--
28...	1645	3.0	2400	687	4450	1	8	57	100	--
MAR.										
08...	1715	.5	2700	909	6630	0	6	65	100	--
APR.										
13...	1015	7.0	1300	1210	4250	2	26	77	100	--
25...	1030	11.0	1460	2520	9930	1	24	82	100	--
MAY										
02...	1700	10.5	4780	2920	37700	6	41	97	100	--
12...	1545	11.5	4820	4660	60600	2	21	82	94	100
26...	1940	22.0	1500	881	3570	3	41	100	--	--
JUNE										
05...	1810	29.0	1350	1090	3970	6	41	97	100	--
17...	1915	16.5	1300	623	2190	4	38	100	--	--
25...	1945	25.5	2100	1330	7540	8	50	93	97	100
28...	2045	24.5	1400	589	2230	5	37	91	100	--

DATE	TIME	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
JULY												
19...	1605	5	1760	0	1	62	90	97	98	100	--	--
AUG.												
09...	1200	5	1160	0	3	54	97	99	100	--	--	--
30...	0940	5	302	--	0	27	71	85	94	98	100	--
SEP.												
21...	1140	5	1500	0	2	40	90	98	99	99	99	100

06610000 MISSOURI RIVER AT OMAHA, NEBR.

LOCATION.--Lat 41°20'37", long 95°57'20", in SE¼NW¼ sec.21, T.16 N., R.13 E., Douglas County, 10.3 miles upstream from gaging station, at raw-water intake line in laboratory of Omaha Metropolitan Utilities District, Florence Station, in Omaha, 0.2 mile downstream from Mormon Bridge. Water diverted from stream at river mile 626.2.

DRAINAGE AREA.--322,800 sq mi, approximately (at gaging station).

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1972 (discontinued).

REMARKS.--Records of fluvial sediments are published in Part 2 of WRD Iowa.

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)
OCT.							
13...	1220	--	--	--	--	860	16.5
15...	1000	49700	.09	.26	.16	--	16.0
NOV.							
05...	1030	53700	.17	.29	.18	--	7.5
DEC.							
03...	0930	49000	.13	.26	.17	--	6.0
FEB.							
01...	1030	21500	.22	.00	.23	760	.5
16...	1015	21200	.18	.00	.13	--	.2
MAR.							
10...	1030	20900	.09	.00	.44	--	1.5
APR.							
07...	0930	45900	.13	.14	.19	--	9.0
MAY							
26...	1030	49700	.19	.00	.17	--	21.5
JUNE							
28...	1000	43400	.11	.01	.27	--	22.5

DATE	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)
OCT.							
13...	.00	.0	.00	.00	.00	.00	.00

DATE	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)
OCT.						
13...	.00	.00	.00	.00	.00	.00

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE

LOCATION.--Lat 41°59'25", long 104°02'37", in SW¼NE¼SW¼ sec.4, T.23 N., R.58 W., Scotts Bluff County, Nebr., at bridge on Nebraska State Highway 86, 650 ft downstream from gaging station, 0.3 mile downstream from Wyoming-Nebraska State line, and 0.5 mile south of Henry, Nebr.

DRAINAGE AREA.--22,177 sq mi, of which 5,000 sq mi (including 3,980 sq mi in Great Divide basin in southern Wyoming) is probably noncontributing.

PERIOD OF RECORD.--Chemical analyses: October 1965 to September 1972.
Water temperatures: October 1965 to September 1972.

EXTREMES, 1971-72:
Specific conductance: Maximum daily, 962 micromhos Jan. 28; minimum daily, 494 micromhos Jan. 26.
Water temperatures: Maximum, 22.0°C Aug. 16; minimum, freezing point Dec. 8, 9, Jan. 4.

Period of record:
Specific conductance: Maximum daily, 1,010 micromhos Jan. 28, 1966, Jan. 8, Oct. 16, 1970, Jan. 7, 1971; minimum daily, 243 micromhos Dec. 2, 1967.
Water temperatures: Maximum, 27.0°C July 4, 25, 1967; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED SILICA (SIO2) (MG/L)	DIS-SOLVED IRON (FE) (UG/L)	DIS-SOLVED CAL-CIUM (CA) (MG/L)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L)	DIS-SOLVED SODIUM (NA) (MG/L)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L)	BICAR-BONATE (HCO3) (MG/L)	CAR-BONATE (CO3) (MG/L)	DIS-SOLVED SULFATE (SO4) (MG/L)	DIS-SOLVED CHLO-RIDE (CL) (MG/L)
OCT. 04...	1230	663	26	20	81	19	78	6.0	262	0	210	19
NOV. 08...	1115	410	27	50	90	18	88	6.3	296	0	220	19
DEC. 06...	1015	372	27	0	91	18	76	5.3	295	0	210	21
JAN. 10...	1030	320	29	50	88	21	84	6.0	302	0	210	20
FEB. 08...	1300	320	32	30	89	21	82	6.0	296	0	210	20
MAR. 08...	1200	2130	10	110	76	26	65	4.2	211	0	220	17
APR. 27...	1500	556	22	0	70	18	120	7.0	249	0	250	26
MAY 30...	0950	1760	7.8	10	62	20	56	4.6	191	0	180	14
JUNE 21...	0800	1950	9.6	0	61	21	51	4.4	197	0	180	12
JULY 21...	0920	1250	13	230	61	18	56	7.2	199	0	170	14
AUG. 30...	1530	960	18	20	65	20	65	5.8	223	0	180	14
SEP. 29...	1315	565	24	50	77	20	80	6.7	248	0	210	16

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L)	DIS-SOLVED NITRATE (NO3) (MG/L)	DIS-SOLVED BORON (B) (UG/L)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L)	DIS-SOLVED SOLIDS (TONS PER AC-FT)	DIS-SOLVED SOLIDS (TONS PER DAY)	HARD-NESS (CA,MG) (MG/L)	NON-CAR-BONATE HARD-NESS (MG/L)	SODIUM AD-SORP-TION RATIO	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	PH (UNITS)	TEMPER-ATURE (DEG C)
OCT. 04...	.6	4.0	120	572	.78	1020	280	65	2.0	845	7.9	12.5
NOV. 08...	.6	5.4	150	616	.84	682	300	57	2.2	886	8.1	5.5
DEC. 06...	.6	5.7	100	596	.81	599	300	58	1.9	879	8.3	2.0
JAN. 10...	.6	6.5	110	617	.84	533	300	52	2.1	870	8.2	1.5
FEB. 08...	.6	6.0	110	615	.84	531	310	67	2.0	890	8.1	5.0
MAR. 08...	.5	2.5	80	520	.71	2990	280	107	1.7	783.	8.1	3.5
APR. 27...	.5	7.0	130	638	.87	958	250	46	3.3	953	7.8	7.5
MAY 30...	.4	1.5	80	441	.60	2100	240	83	1.6	684	8.0	14.0
JUNE 21...	.4	1.9	60	437	.59	2300	240	78	1.4	691	8.0	16.5
JULY 21...	.5	2.4	90	438	.60	1480	230	67	1.6	691	7.9	17.0
AUG. 30...	.5	2.7	100	481	.65	1220	240	57	1.8	736	8.2	21.5
SEP. 29...	.5	4.6	120	560	.76	824	270	67	2.1	861	8.2	13.0

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L)	TOTAL PHOS-PHORUS (P) (MG/L)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L)
OCT. 04...	1230	663	.07	.050	2.4
NOV. 08...	1115	410	.22	—	2.4
DEC. 06...	1015	372	.05	.030	2.3
JAN. 10...	1030	320	.17	.050	2.6
FEB. 08...	1300	320	.12	.050	.7
MAR. 08...	1200	2130	.15	.070	2.1
APR. 27...	1500	556	.50	.35	4.3
MAY 30...	0950	1760	.05	.090	1.3
JUNE 21...	0800	1950	.09	.080	.8
JULY 21...	0920	1250	—	—	.1
AUG. 30...	1530	940	—	—	1.2
SEP. 29...	1315	545	—	—	1.0

DATE	TIME	DIS-CHARGE (CFS)	ALDRIN (UG/L)	CHLOR-DANE (UG/L)	DDD (UG/L)	DDE (UG/L)	DDT (UG/L)	DI-ELDRIN (UG/L)
OCT. 04...	1230	663	.00	.0	.00	.00	.00	.00
JAN. 10...	1030	320	.00	.0	.00	.00	.00	.00
APR. 27...	1500	556	.00	.0	.00	.00	.00	.00

DATE	ENDRIN (UG/L)	HEPTA-CHLOR (UG/L)	HEPTA-CHLOR EPOXIDE (UG/L)	LINDANE (UG/L)	2,4-D (UG/L)	2,4,5-T (UG/L)	SILVEX (UG/L)
OCT. 04...	.00	.00	.00	.00	.00	.00	.00
JAN. 10...	.00	.00	.00	.00	.00	.00	.00
APR. 27...	.00	.00	.00	.00	.00	.00	.00

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS)	DIS-SOLVED OXYGEN (MG/L)	PH (UNITS)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS)	IMME-DIATE COLI-FORM (COL. PER 100 ML)	FECAL COLI-FORM (COL. PER 100 ML)
OCT. 04...	1230	663	9.2	—	910	—	720
NOV. 08...	1115	410	11.8	—	900	—	28
DEC. 06...	1015	372	11.0	—	870	—	80
JAN. 10...	1030	320	10.9	—	930	—	60
FEB. 08...	1300	320	10.8	—	880	—	4
MAR. 08...	1200	2130	11.2	—	—	—	1
APR. 27...	1500	556	10.6	—	—	—	3600
MAY 30...	0950	1760	9.6	—	730	—	210
JUNE 21...	0800	1950	8.5	—	710	—	79
JULY 21...	0920	1250	8.5	8.3	605	3100	92
AUG. 30...	1530	940	8.1	8.3	790	180	87
SEP. 29...	1315	545	9.4	7.9	945	3600	74

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	824	891	866	837	904	783	742	885	690	648	680	726
2	832	913	871	564	958	779	749	880	699	648	685	750
3	848	894	869	869	947	779	746	866	705	667	682	745
4	849	907	864	956	912	774	750	840	702	662	694	745
5	848	898	878	928	890	774	767	832	689	677	707	770
6	848	889	873	888	909	778	762	828	709	682	704	766
7	848	888	891	900	911	782	801	793	709	687	711	776
8	858	893	880	909	895	780	817	776	713	677	685	802
9	848	898	830	887	904	779	827	749	695	682	709	810
10	832	887	888	912	890	776	816	781	685	676	685	824
11	797	884	890	896	895	772	824	715	686	673	679	818
12	812	874	886	908	894	771	815	715	684	669	664	819
13	812	870	888	889	902	766	820	719	681	669	661	825
14	827	867	895	914	917	765	781	710	670	661	663	825
15	829	858	892	946	914	763	820	708	672	652	672	804
16	852	876	876	894	923	759	856	713	665	658	663	817
17	864	873	869	---	914	760	835	718	678	650	668	803
18	848	868	867	---	904	764	825	724	667	661	667	766
19	875	870	876	---	906	753	830	721	720	657	669	769
20	883	879	886	---	886	736	827	725	680	655	667	772
21	884	869	893	---	893	743	839	726	681	668	673	763
22	877	871	872	---	896	746	835	716	680	670	677	769
23	879	892	878	---	885	737	839	645	682	664	686	820
24	879	876	868	710	839	746	848	625	669	678	675	815
25	892	869	851	810	811	739	842	632	667	664	701	827
26	886	865	872	494	796	728	828	641	665	661	706	823
27	900	870	633	958	794	741	886	650	662	657	712	827
28	884	864	891	962	792	739	898	660	665	664	713	832
29	884	862	723	759	787	743	896	661	655	674	715	834
30	887	883	792	840	---	742	884	682	657	676	739	843
31	892	---	875	922	---	742	---	679	---	673	733	---
MONTH	857	880	861	---	885	759	820	733	683	666	689	796

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.0	5.0	3.0	2.0	0.5	5.0	5.0	8.0	15.0	15.0	20.0	15.0
2	9.0	5.0	4.0	2.0	0.5	4.0	5.0	5.0	15.0	15.0	20.0	14.0
3	10.0	5.0	3.0	1.0	0.5	5.0	5.0	10.0	15.0	15.0	20.5	15.0
4	10.0	5.0	5.0	0.0	0.5	2.0	6.0	10.0	15.0	15.0	15.5	15.5
5	11.0	5.0	5.0	1.0	4.0	4.0	7.0	10.0	15.0	15.5	15.5	15.5
6	11.0	5.0	4.0	2.0	5.0	4.0	10.0	10.0	15.0	15.5	15.0	15.5
7	13.0	5.0	4.0	3.0	4.0	4.0	10.0	10.0	15.0	20.0	20.0	15.5
8	15.0	5.0	0.0	5.0	5.0	4.0	10.0	10.0	20.0	20.0	20.0	15.0
9	10.0	5.0	0.0	2.0	5.0	5.0	10.0	11.0	20.0	15.5	15.5	15.0
10	10.0	6.0	2.0	2.5	1.0	5.0	10.0	10.0	15.0	15.5	20.5	15.0
11	12.0	6.0	2.0	0.5	1.0	8.0	10.0	10.0	20.0	15.5	20.5	15.0
12	10.0	8.0	2.0	2.5	4.0	8.0	10.0	10.0	20.0	20.5	20.0	15.0
13	10.0	5.0	2.0	0.5	5.0	7.0	10.0	10.0	15.0	20.5	20.0	15.0
14	10.0	5.0	1.0	2.0	3.0	8.0	5.0	10.0	20.0	20.0	20.5	15.5
15	10.0	6.0	1.0	0.5	2.0	5.0	9.0	11.0	15.0	20.5	20.5	15.5
16	10.0	8.0	1.0	0.5	4.0	5.0	10.0	10.0	15.0	20.5	22.0	15.0
17	10.0	5.0	1.0	0.5	4.0	5.0	10.0	10.0	19.0	15.5	20.5	15.0
18	10.0	5.0	5.0	5.0	4.0	5.0	10.0	11.0	20.0	15.5	20.0	15.5
19	9.0	5.0	5.0	5.0	5.0	5.0	10.0	15.0	15.0	20.5	20.5	15.5
20	10.0	5.0	4.0	5.0	5.0	8.0	7.0	11.0	20.0	15.5	20.0	15.0
21	10.0	5.0	4.0	5.0	5.0	8.0	8.0	15.0	15.0	15.5	20.0	15.0
22	10.0	5.0	5.0	5.0	5.0	7.0	10.0	10.0	15.0	15.5	15.5	15.5
23	10.0	5.0	5.0	4.0	5.0	8.0	10.0	10.0	18.0	15.0	15.5	14.5
24	10.0	5.0	5.0	0.5	4.0	5.0	10.0	15.0	15.0	15.5	15.5	15.5
25	10.0	6.0	5.0	0.5	5.0	5.0	8.0	15.0	15.0	15.5	15.5	11.5
26	10.0	5.0	4.0	0.5	4.0	5.0	9.0	15.0	15.0	15.0	15.0	10.5
27	10.0	5.0	1.0	0.5	4.0	5.0	9.0	10.0	20.0	20.5	15.0	10.0
28	5.0	5.0	1.0	0.5	5.0	5.0	9.0	10.0	20.0	20.5	15.5	10.5
29	5.0	4.0	4.0	0.5	5.0	5.0	10.0	10.0	20.0	20.5	18.5	10.5
30	5.0	5.0	4.0	0.5	---	5.0	10.0	15.0	20.0	20.5	15.5	10.5
31	5.0	---	1.0	0.5	---	5.0	---	15.0	---	20.0	15.0	---
MONTH	10.0	5.5	3.0	2.0	3.5	5.5	8.5	11.0	17.0	17.5	18.0	14.0

06674500 NORTH PLATTE RIVER AT WYOMING-NEBRASKA STATE LINE--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPER-ATURE (DEG C)	DIS-CHARGE (CFS)	SUS-PENDED SEDI-MENT (MG/L)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY)
OCT.					
04...	1230	12.5	663	22	39
NOV.					
10...	1410	9.5	435	84	99
DEC.					
28...	1615	3.0	358	50	48
JAN.					
19...	1135	4.5	319	77	66
FEB.					
09...	1115	4.0	317	74	63
MAR.					
22...	1445	9.0	2370	121	774
MAY					
09...	1550	13.5	559	122	184
JUNE					
07...	1045	20.5	1060	143	409
JULY					
05...	1545	20.0	1720	168	780
AUG.					
08...	1715	25.0	956	120	310
SEP.					
19...	1215	--	600	102	165

06677500 HORSE CREEK NEAR LYMAN, NEBR.

LOCATION.--Lat 41°56'21", long 103°59'13", in SE¼NE¼ sec.25, T.23 N., R.58 W., Scotts Bluff County, at gaging station at county highway bridge 1.8 miles upstream from mouth, 2.2 miles downstream from Owl Creek, and 3.2 miles northeast of Lyman.

DRAINAGE AREA.--1,570 sq mi, approximately, of which about 40 sq mi is noncontributing.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
01...	1330	193	1060	8.1	16.0	50	10.8
08...	1330	88	1340	8.4	14.0	20	10.4
15...	1400	68	1400	8.3	10.0	15	9.8
22...	1400	61	1650	8.3	12.0	20	11.3
29...	1400	60	1260	8.2	4.0	25	11.1
NOV.							
04...	1400	52	1700	8.3	11.0	20	13.1
09...	1400	47	1650	8.2	9.0	20	10.3
16...	1330	43	1550	8.7	8.0	20	13.0
23...	1400	41	1530	8.6	7.0	20	14.6
DEC.							
02...	1400	36	1750	8.6	4.0	30	13.8
10...	1400	25	1300	8.5	2.0	20	14.4
15...	1400	30	1600	8.4	4.0	20	12.2
22...	1400	35	1460	8.4	5.0	20	12.6
29...	1400	28	1800	8.4	5.0	35	12.7
JAN.							
18...	1330	24	1850	8.2	5.0	20	12.6
FEB.							
23...	1330	27	1650	8.5	10.0	35	11.5
MAR.							
22...	1445	24	1750	8.8	16.0	35	13.6
APR.							
18...	1400	22	1180	8.1	10.0	15	11.4
MAY							
19...	1330	259	1100	7.8	20.0	55	9.4
JUNE							
16...	1300	278	580	8.2	21.0	130	8.8
JULY							
07...	0830	106	780	7.6	16.0	30	10.1
14...	1330	77	1270	8.0	24.0	70	9.3
21...	1330	107	1300	7.8	23.0	40	8.4
28...	1400	127	1150	7.8	24.0	75	7.8
AUG.							
04...	1400	203	1040	7.9	20.0	55	7.9
11...	1330	128	1180	8.0	24.0	45	7.8
18...	1330	94	1480	7.8	24.0	40	8.0
25...	1330	208	1040	8.0	21.0	40	8.8
SEP.							
01...	1330	316	930	7.7	16.0	60	8.6
08...	1445	358	848	7.9	20.0	90	8.8
15...	1400	297	985	7.9	19.0	40	8.3
22...	0800	253	900	7.7	12.0	40	8.8
29...	1400	245	1060	7.8	14.0	30	8.4

06678000 SHEEP CREEK NEAR MORRILL, NEBR.

LOCATION.--Lat 41°57'50", long 103°56'30", in NE¼SW¼ sec.16, T.23 N., R.57 W., Scotts Bluff County, at gaging station at Burlington Northern Inc. bridge 50 ft downstream from bridge on U.S. Highway 26, 1 mile west of Morrill, and 1.5 miles upstream from mouth.

DRAINAGE AREA.--362 sq mi, of which about 25 sq mi is noncontributing.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR.											
22...	78	56	78	20	60	11	261	0	180	15	.6
SEP.											
15...	6.2	54	76	19	63	11	268	0	180	16	.6

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR.										
22...	3.0	.02	90	562	.76	118	280	63	1.6	0
SEP.										
15...	2.3	.03	100	562	.76	9.41	270	48	1.7	2

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
01...	0930	134	820	7.7	11.0	10	12.8
08...	0930	129	770	7.9	10.0	10	12.0
15...	0900	127	765	7.8	10.0	10	10.9
22...	0930	122	730	8.0	11.0	10	10.7
29...	0930	114	690	7.7	5.0	10	13.0
NOV.							
04...	0900	108	900	7.8	10.0	10	11.6
09...	0900	105	840	7.8	6.0	10	11.7
16...	0915	103	900	8.1	8.0	15	11.3
23...	0930	101	860	8.0	7.0	10	12.7
DEC.							
02...	0930	99	1010	8.1	4.0	15	12.5
10...	0930	94	940	7.8	4.0	15	11.3
15...	0930	91	890	7.9	4.0	15	11.5
22...	0930	93	780	7.6	7.0	20	11.5
29...	0930	90	900	7.9	5.0	30	11.8
JAN.							
18...	0930	85	1000	7.6	4.0	15	11.7
FEB.							
23...	0930	78	820	7.8	7.0	15	10.4
MAR.							
22...	0930	78	781	7.8	9.0	15	11.4
APR.							
10...	0930	74	575	7.6	9.0	10	11.3
MAY							
19...	0900	6.1	940	7.5	15.0	10	10.4
JUNE							
16...	0900	2.6	590	7.6	15.0	5	9.7
JULY							
07...	1415	3.5	920	8.0	23.0	10	13.0
14...	0900	7.8	880	7.6	16.0	15	9.2
21...	0900	6.5	850	7.4	18.0	5	8.2
28...	0900	6.8	805	7.4	15.0	10	8.2
AUG.							
04...	0900	12	785	7.4	13.0	5	8.0
11...	0900	9.1	710	7.3	16.0	5	8.1
18...	0900	8.7	825	7.6	16.0	15	7.9
25...	0900	22	820	7.7	13.0	5	8.4
SEP.							
01...	0900	24	620	7.8	13.0	5	8.8
08...	0930	27	842	7.9	13.5	20	9.2
15...	0900	6.2	825	7.5	12.0	5	8.1
22...	1245	9.7	808	7.8	16.5	20	10.2
29...	0900	127	875	7.7	10.0	10	8.3

06684500 NORTH PLATTE RIVER AT BRIDGEPORT, NEBR.

LOCATION.--Lat 41°40'38", long 103°08'48", in NW¼SW¼ sec.28, T.20 N., R.50 W., Morrill County, at gaging station at bridge on U.S. Highway 26, 0.5 mile north of Bridgeport.

DRAINAGE AREA.--29,300 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: December 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
13...	1530	2000	1040	8.2	15.0	20	9.0
NOV.							
10...	1545	1560	1400	8.1	10.5	20	10.4
DEC.							
21...	1510	1250	945	8.1	7.0	10	11.8
JAN.							
20...	1410	1120	--	8.0	7.0	20	9.9
FEB.							
22...	1445	978	980	8.2	9.0	20	10.6
JUNE							
15...	1245	1980	860	7.7	22.5	95	9.1
JULY							
06...	1330	1740	842	7.7	22.0	65	8.2
13...	1530	420	932	7.6	29.0	50	6.8
19...	1400	420	888	7.5	26.0	65	7.9
26...	1520	1290	815	7.2	25.5	220	6.9
AUG.							
02...	1530	1020	685	7.3	22.5	90	7.2
07...	1420	1030	933	7.4	24.0	70	7.6
14...	1445	588	902	7.2	26.0	45	7.7
21...	1405	768	905	7.1	23.5	60	7.6
28...	1320	1100	905	7.5	24.0	65	7.6
SEP.							
05...	1310	1470	895	7.8	18.5	70	8.3
11...	1340	1520	872	7.4	20.0	55	8.2
18...	1245	1100	918	7.3	19.0	45	8.0
25...	1430	1260	928	7.4	14.5	35	9.0

06685000 PUMPKIN CREEK NEAR BRIDGEPORT, NEBR.

LOCATION.--Lat 41°37'38", long 103°02'10", in SW¼ sec.12, T.19 N., R.50 W., Morrill County, at gaging station at bridge on U.S. Highway 385 and State Highway 92, 0.5 mile upstream from mouth and 4 miles southeast of Bridgeport.

DRAINAGE AREA.--1,020 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR.											
13...	18	46	57	12	44	9.0	294	0	25	10	.7
SEP.											
11...	26	39	66	17	70	9.5	275	0	140	15	.6

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR.										
13...	2.2	.03	130	358	.49	17.4	190	0	1.4	0
SEP.										
11...	1.8	.03	130	500	.68	35.5	230	9	2.0	20

06685000 PUMPKIN CREEK NEAR BRIDGEPORT, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
06...	1445	11	582	8.3	18.0	20	12.6
13...	1420	18	580	8.4	16.0	20	11.8
20...	1415	18	580	8.2	16.0	20	12.3
27...	1420	18	535	8.3	13.0	20	11.3
NOV.							
03...	1410	21	555	8.2	7.0	15	13.0
10...	1520	21	635	8.1	7.5	15	12.7
15...	1345	22	560	8.3	7.5	10	12.8
24...	1315	22	600	8.4	7.0	10	14.4
DEC.							
01...	1430	23	630	8.3	5.5	10	13.2
08...	1215	22	620	8.1	1.0	10	14.8
14...	1430	23	570	8.1	4.5	10	11.7
21...	1410	22	500	8.2	5.5	10	14.0
28...	1430	21	550	8.3	4.0	15	12.8
JAN.							
20...	1510	25	545	8.0	6.0	15	11.2
FEB.							
22...	1410	32	450	8.4	7.0	30	12.0
MAR.							
13...	1440	18	538	8.1	12.0	20	11.6
APR.							
11...	0925	17	532	7.9	14.5	15	11.0
MAY							
09...	1310	77	1170	7.6	12.0	45	9.7
JUNE							
15...	1345	24	740	8.5	24.0	50	9.8
JULY							
06...	1400	3.5	502	7.9	27.0	15	8.8
13...	1445	2.5	458	7.5	33.0	60	7.8
19...	1325	2.2	482	7.5	32.0	40	9.0
26...	1430	2.6	495	7.4	31.0	55	8.7
AUG.							
02...	1445	3.0	490	7.4	26.5	50	8.4
07...	1345	3.2	548	7.4	30.5	35	9.0
14...	1400	3.2	502	7.5	30.5	35	9.6
21...	1325	3.2	488	7.3	28.5	30	9.3
28...	1430	3.0	482	7.3	28.5	35	8.8
SEP.							
05...	1200	27	780	7.7	18.0	50	9.0
11...	1240	26	742	7.7	21.0	40	9.2
18...	1205	20	672	7.3	21.0	30	8.4
25...	1340	10	548	7.5	16.0	20	9.7

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.

LOCATION.--Lat 41°29'18", long 102°37'25", in NW¼SE¼ sec.33, T.18 N., R.46 W., Garden County, at gaging station at highway bridge 0.5 mile south of Lisco.

DRAINAGE AREA.--30,700 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: March 1970 to September 1972.
Water temperatures: October 1970 to September 1972.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 1,010 micromhos Jan. 15; minimum daily, 692 micromhos Sept. 21.
Water temperatures: Maximum, 31.0° C July 19; minimum, freezing point on several days during January and February.

Period of record:
Specific conductance: Maximum daily, 1,100 micromhos Jan. 6, 1971; minimum daily, 578 micromhos Dec. 30, 1970.
Water temperatures: Maximum (1971-72), 31.0°C July 19, 1972; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED ALUMINUM (AL) (UG/L) (01106)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	DISSOLVED SULFATE (SO4) (MG/L) (00945)
OCT. 20...	1900	--	--	--	--	79	20	91	9.7	306	0	200
NOV. 15...	1530	--	--	--	--	81	20	91	10	311	0	190
DEC. 14...	1310	--	--	--	--	85	20	89	9.9	321	0	200
JAN. 20...	1320	--	--	--	--	89	21	81	13	307	0	180
FEB. 22...	1230	--	--	--	--	84	21	88	9.9	320	0	190
MAR. 13...	2900	--	--	--	--	78	23	81	7.4	267	0	210
APR. 11...	1550	--	--	--	--	82	21	81	8.4	284	0	190
MAY 09...	1370	--	--	--	--	72	19	85	8.7	279	0	180
JUNE 15...	2050	--	--	--	--	71	20	74	8.0	253	0	180
JULY 19...	496	--	--	--	--	73	21	85	10	265	0	190
AUG. 14...	610	--	--	--	--	63	18	83	9.4	260	0	190
SEP. 11...	2020	36	10	30	0	74	19	80	9.6	278	0	180

DATE	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED BORON (B) (UG/L) (01020)
OCT. 20...	22	--	6.0	8.0	6.1	.08	.00	1.9	1.9	--	.09	--
NOV. 15...	21	--	.68	2.9	.75	.07	.00	2.1	2.1	--	.13	--
DEC. 14...	24	--	.68	3.0	.79	.11	.00	2.2	2.2	--	.09	--
JAN. 20...	25	--	.59	2.5	.63	.04	.00	1.9	1.9	--	.02	--
FEB. 22...	22	--	.97	3.4	1.1	.13	.00	2.3	2.3	--	.06	--
MAR. 13...	20	--	.88	2.4	.98	.10	.00	1.4	1.4	--	.05	--
APR. 11...	19	--	.49	2.2	.53	.04	.00	1.7	1.7	--	.14	--
MAY 09...	23	--	.37	2.3	.45	.08	.00	1.8	1.8	--	.05	--
JUNE 15...	17	--	.97	2.1	1.1	.13	.00	.95	.95	--	.05	--
JULY 19...	19	--	.74	2.0	.79	.05	.00	1.2	1.2	--	.03	--
AUG. 14...	19	--	.92	1.0	1.0	.08	.00	.01	.01	--	--	--
SEP. 11...	19	.6	.94	2.5	1.0	.06	.04	1.5	1.5	.26	.04	130

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT.												
20...	--	280	2.4	3	1.2	--	.00	--	--	--	--	--
NOV.												
15...	--	280	2.3	5	1.3	--	.00	--	--	--	--	--
DEC.												
14...	--	290	2.3	5	1.5	--	.00	--	--	--	--	--
JAN.												
20...	--	310	2.0	5	1.0	--	.00	--	--	--	--	--
FEB.												
22...	--	300	2.2	5	1.3	--	.00	--	--	--	--	--
MAR.												
13...	--	290	2.1	0	1.8	--	.00	--	--	--	--	--
APR.												
11...	--	290	2.1	20	.9	--	.00	--	--	--	--	--
MAY												
09...	--	260	2.3	20	1.7	--	.00	--	--	--	--	--
JUNE												
15...	--	260	2.0	20	2.2	--	.00	--	--	--	--	--
JULY												
19...	--	270	2.3	10	2.7	--	.00	--	--	--	--	--
AUG.												
18...	--	230	2.8	20	2.3	--	.00	--	--	--	--	--
SEP.												
11...	569	260	2.1	7	1.2	.00	.01	3	0	0	0	0

DATE	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
SEP.												
11...	0	4	2	50	.5	4	2	8	1	780	10	20

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
06...	1145	1980	1110	8.1	14.0	25	9.5
13...	1145	1860	880	8.2	12.0	20	9.7
20...	1145	1900	916	8.0	11.0	15	10.0
27...	1230	1720	990	8.0	10.0	15	9.3
NOV.							
03...	1145	1640	880	8.1	6.0	15	11.0
10...	1145	1610	845	8.0	7.0	20	11.0
15...	1030	1530	919	8.1	5.0	10	11.4
24...	1130	1540	865	8.3	5.0	10	12.0
DEC.							
01...	1000	1430	820	7.8	1.0	10	12.1
08...	0930	1310	975	7.8	.5	10	12.8
14...	1210	1310	940	8.0	1.0	15	11.0
21...	1210	1280	970	8.1	3.0	15	12.3
28...	1145	1370	930	8.0	.0	20	12.3
JAN.							
20...	1400	1420	910	8.1	2.0	20	11.0
FEB.							
22...	1200	1230	867	8.1	6.0	20	11.2
MAR.							
13...	1315	2900	824	7.8	12.0	40	10.2
APR.							
11...	1230	1550	871	8.0	16.0	15	9.3
MAY							
09...	1100	1370	814	7.1	11.0	60	9.8
JUNE							
15...	0915	2050	783	9.0	21.0	110	8.9
JULY							
06...	1100	2060	780	7.8	21.5	65	8.2
13...	0845	790	862	7.5	22.5	45	7.6
19...	1100	496	813	7.7	26.5	60	8.6
26...	1205	1450	730	7.2	25.0	240	6.8
AUG.							
02...	1245	1390	860	7.2	23.5	100	7.4
07...	1135	1260	915	7.3	23.5	85	8.0
14...	1200	610	844	7.5	24.5	45	8.1
21...	1120	690	892	7.2	23.5	65	8.2
28...	0920	1080	890	7.2	21.0	70	7.9
SEP.							
05...	1000	1850	878	8.1	17.0	85	8.3
11...	0900	2020	840	7.3	18.0	70	8.0
18...	1000	1590	915	7.3	18.0	55	8.1
25...	1000	1350	982	7.6	11.5	40	9.4

06686000 NORTH PLATTE RIVER AT LISCO, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	867	896	879	896	937	840	793	923	789	765	825	803
2	862	856	878	849	950	837	801	928	778	760	813	848
3	878	868	878	851	958	811	800	910	778	753	837	844
4	880	875	876	880	934	809	803	905	754	752	815	831
5	880	875	875	997	927	795	810	900	734	767	817	835
6	878	872	875	978	914	815	804	900	778	779	838	837
7	887	855	874	937	907	815	824	897	793	792	843	837
8	889	839	874	896	900	815	863	892	839	814	838	846
9	892	856	873	898	884	807	858	839	830	815	826	846
10	894	859	873	903	898	813	850	835	755	815	828	842
11	875	879	882	910	864	817	852	841	759	815	843	846
12	882	875	891	893	870	820	852	864	778	826	822	842
13	878	872	901	893	868	811	856	873	746	842	824	848
14	878	865	905	963	868	809	856	864	774	830	820	861
15	882	872	901	1010	859	803	844	857	778	797	837	858
16	846	872	899	952	859	803	851	850	731	803	835	872
17	829	872	913	950	902	815	853	871	764	816	817	861
18	878	872	896	900	900	807	868	873	761	818	813	823
19	875	872	891	861	898	807	864	830	770	808	793	867
20	894	870	894	847	888	803	862	798	766	808	819	872
21	848	868	899	881	888	803	857	760	770	846	821	692
22	848	866	894	896	888	809	864	722	768	855	825	796
23	864	864	899	884	879	813	873	843	770	855	831	840
24	881	862	894	892	881	813	868	826	761	786	815	858
25	897	860	873	874	888	813	870	820	761	857	827	863
26	897	856	886	1000	888	803	868	820	766	790	840	856
27	902	852	899	1000	872	801	868	765	770	810	811	861
28	889	875	898	962	861	795	886	751	766	814	811	845
29	917	870	896	986	847	797	928	846	768	814	846	847
30	899	879	824	974	---	805	925	762	762	830	857	854
31	892	---	921	943	---	805	---	765	---	832	842	---
MONTH	879	867	887	921	892	810	852	843	771	809	823	841

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	16.0	10.0	1.0	0.0	0.0	7.0	10.5	6.0	24.0	20.0	26.0	15.0
2	16.0	12.0	1.0	1.0	1.0	5.0	9.0	6.5	21.0	18.0	23.0	16.0
3	16.0	14.0	1.0	0.0	1.0	8.0	7.0	15.0	21.0	20.0	18.0	14.0
4	16.0	12.0	1.0	0.0	3.0	5.0	12.0	16.5	25.0	22.0	17.0	18.0
5	17.0	8.0	1.0	1.0	1.5	5.0	12.0	14.0	23.0	23.0	19.0	19.0
6	17.0	7.0	1.0	1.0	0.5	5.5	12.0	15.5	24.0	19.0	24.0	19.0
7	17.0	7.0	1.0	1.0	1.0	6.0	12.0	15.0	24.0	22.0	25.0	18.0
8	17.0	6.0	1.0	1.0	1.0	6.0	12.0	16.5	24.0	24.0	26.0	21.0
9	17.0	10.0	1.0	1.0	0.0	9.0	12.0	11.5	24.0	24.0	26.0	22.0
10	17.0	10.0	1.0	1.0	1.0	12.0	11.0	11.0	24.5	20.0	26.0	23.5
11	17.0	11.0	1.0	1.0	0.0	9.0	12.0	10.0	24.0	21.0	26.0	21.0
12	17.0	12.0	2.0	1.0	1.0	12.0	12.0	14.0	26.0	26.0	26.0	24.0
13	17.0	10.0	2.0	0.5	1.0	9.0	12.0	10.0	21.0	20.0	25.0	18.0
14	16.0	10.0	2.0	1.0	1.5	11.0	8.0	18.0	19.0	20.0	26.0	21.0
15	16.0	9.0	2.0	0.0	2.0	8.0	8.0	21.0	20.0	26.0	26.0	16.0
16	15.0	8.0	2.0	1.5	2.0	10.0	15.5	21.0	18.5	25.0	29.0	21.0
17	15.0	7.0	2.5	2.5	4.0	11.0	10.0	22.5	20.0	22.0	29.0	21.0
18	16.0	6.0	4.0	1.0	6.0	9.5	10.0	22.0	22.0	30.0	27.0	18.0
19	16.0	5.0	3.0	2.0	4.0	10.0	7.0	22.0	20.0	31.0	25.0	20.0
20	17.0	5.0	5.0	1.0	4.0	10.0	8.0	22.0	19.0	18.0	25.0	20.0
21	16.0	5.0	5.0	1.0	5.0	8.0	8.0	21.0	20.0	24.0	23.5	16.0
22	16.0	5.0	4.0	2.0	6.5	9.0	16.0	21.0	19.5	24.0	24.0	17.0
23	15.0	5.0	6.0	3.0	4.0	8.0	13.0	21.0	23.0	23.0	23.5	19.0
24	14.0	5.0	4.0	2.0	5.0	7.5	9.0	19.0	21.0	21.0	21.0	15.0
25	12.0	5.0	3.5	0.0	4.0	7.0	9.0	21.0	18.0	21.0	24.5	12.0
26	10.0	5.0	3.0	0.0	2.0	8.0	7.0	16.0	19.0	24.0	19.0	6.0
27	6.0	5.0	3.0	0.0	4.5	8.0	6.0	17.0	25.0	22.0	19.0	7.0
28	5.0	5.0	4.0	0.0	7.0	9.0	6.0	15.0	25.0	21.0	20.0	6.0
29	5.0	4.0	4.0	1.0	7.0	6.0	11.0	19.0	23.0	26.5	21.0	6.0
30	7.0	1.0	2.0	0.0	---	9.0	12.0	20.0	22.0	28.0	25.0	5.5
31	8.0	---	1.0	0.5	---	8.0	---	17.0	---	22.5	23.0	---
MONTH	14.5	7.5	2.5	1.0	3.0	8.0	10.5	17.0	22.0	23.0	24.0	16.5

06764000 SOUTH PLATTE RIVER AT JULESBURG, COLO.
(Irrigation network station)

LOCATION.--Lat 40°58'46", long 102°15'15", in NW¼NE¼ and SE¼NE¼ (two channels) sec.33, T.12 N., R.44 W., Sedgwick County, at gaging station at bridge on U.S. Highway 385, 0.9 mile southeast of Julesburg, 3 miles upstream from Colorado-Nebraska State line, and 8 miles downstream from Lodgepole Creek.

DRAINAGE AREA.--23,138 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1945 to September 1972.
Water temperatures: October 1945 to September 1972.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 2,280 micromhos Apr. 28; minimum daily, 1,290 micromhos June 11.
Water temperatures: Maximum, 30.0°C June 6, 7, Aug. 13; minimum, freezing point on many days during December to February.

Period of record:
Specific conductance: Maximum daily, 3,270 micromhos Jan. 12, 1971; minimum daily, 348 micromhos Aug. 15, 1968.
Water temperatures: Maximum (1946-49, 1950-72), 34°C July 28, Aug. 1, 1953, July 7, 18, 1963; minimum, freezing point on many days during winter period.

REMARKS.--Samples for specific conductance and temperature collected from channel no. 2 (sta 06763990). For monthly chemical analyses considered applicable to this site, see record for South Platte River near Julesburg, Colo. (sta 06764200).

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1800	1960	1930	1970	2000	1940	1910	1950	1950	1890	1820	1850
2	1820	1960	1950	1980	2050	1950	1950	2070	1950	1700	1900	1870
3	1840	1990	1950	2000	2090	1920	1950	2040	1950	1890	1920	1900
4	1840	1960	1950	1970	2090	1960	1960	1990	1880	1910	1930	1930
5	1860	1940	1960	2160	1990	1960	1950	1960	1520	1930	1940	1970
6	1840	1930	1940	1940	1890	1920	1970	1980	1830	1920	1940	1960
7	1840	1940	1940	1980	1860	1890	1970	1990	2000	1900	1940	1970
8	1840	1910	2020	2040	1810	1900	1970	1970	1830	1930	1940	2000
9	1870	1880	2100	2090	1760	1880	1970	1880	1960	1930	1850	2000
10	1870	1890	2040	2020	1750	1890	1940	1870	1590	1930	1930	1990
11	1870	1910	2030	1970	1730	1880	1960	1850	1290	1920	1950	2020
12	1880	1910	2000	1970	1750	1870	1960	1930	1470	1920	1950	2050
13	1890	1910	2000	1990	1730	1860	1940	2010	1670	1940	1950	2020
14	1900	1910	1830	1970	1700	1850	1960	2020	1770	1930	1950	1990
15	1900	1910	1960	1990	1680	1850	1980	1970	1850	1930	1950	1990
16	1910	1900	1920	1980	1650	1900	1990	1960	1870	1920	1940	1990
17	1890	1900	2000	1960	1620	1910	1980	1960	1810	1940	1940	2000
18	1700	1940	1950	1950	1730	1940	1970	1950	1850	1940	1950	2000
19	1870	1950	1930	1920	1730	1940	1960	1960	1900	1930	1940	2000
20	1890	1960	1860	1860	1820	1950	1970	1920	1870	1910	1940	1990
21	1890	1980	1900	1820	1850	1940	1970	1920	1930	1940	1950	2020
22	1900	1980	1870	1780	1870	1950	1980	1950	1950	1990	1940	2000
23	1890	1950	1860	1720	1880	1940	1960	1910	1920	1940	1940	2010
24	1900	1960	1840	1680	1910	1920	1960	1930	1940	1940	1880	2020
25	1890	1960	1810	1830	1910	1940	1950	1950	1920	1920	1990	2020
26	1900	1960	1830	1980	1910	1950	1770	1920	1870	1940	2050	2030
27	1890	1980	1930	1910	1920	1950	2010	1870	1790	1700	2000	2020
28	1900	1980	1810	1970	1920	1960	2280	1930	1910	1900	2030	2020
29	1910	1960	1840	2020	1940	1940	2110	1950	1920	1930	1990	2030
30	1890	1960	1920	2090	---	1930	2020	1950	1900	1920	1760	2020
31	1910	---	2020	2020	---	1920	---	1950	---	1930	1850	---
MONTH	1870	1940	1930	1950	1850	1920	1970	1950	1830	1910	1930	1990

06764000 SOUTH PLATTE RIVER AT JULESBURG, COLO.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	13.5	4.5	2.0	1.0	0.0	3.5	8.0	8.0	19.0	21.0	19.0	15.5
2	11.0	4.5	1.0	0.0	0.0	9.0	10.0	6.5	18.0	16.5	18.0	14.5
3	10.0	4.5	1.0	0.0	0.0	6.5	5.5	13.5	24.5	13.5	15.5	13.5
4	9.0	3.5	2.0	0.0	0.0	4.5	6.5	14.5	24.5	14.0	15.5	23.5
5	10.0	5.5	1.0	0.0	1.0	3.5	15.5	13.5	20.0	14.5	20.0	19.0
6	11.0	1.0	0.0	0.0	0.0	6.5	13.5	12.0	30.0	29.0	16.5	18.0
7	10.0	1.0	0.0	0.0	0.0	4.5	10.0	8.0	30.0	16.5	16.5	16.5
8	10.0	3.5	0.0	0.0	0.0	3.5	12.0	10.0	21.0	18.0	16.5	14.5
9	5.5	3.5	0.0	0.0	0.0	4.5	11.0	11.0	29.0	21.0	26.5	18.0
10	9.0	3.5	1.0	0.0	0.0	6.5	10.0	8.0	21.0	18.0	18.0	19.0
11	10.0	4.5	0.0	0.0	0.0	9.0	13.5	10.0	20.0	16.5	18.0	18.0
12	11.0	6.5	0.0	0.0	0.0	9.0	11.0	11.0	21.0	26.5	20.0	19.0
13	9.0	8.0	0.0	0.0	0.0	6.5	11.0	11.0	21.0	20.0	30.0	15.5
14	10.0	5.5	0.0	0.0	0.0	8.0	5.5	9.0	24.5	18.0	18.0	16.5
15	10.0	5.5	0.0	0.0	0.0	5.5	8.0	13.5	18.0	18.0	19.0	16.5
16	9.0	6.5	0.0	0.0	1.0	6.5	11.0	15.5	22.0	26.5	19.0	17.0
17	5.5	4.5	0.0	0.0	1.0	[illegible]	15.5	16.5	18.0	16.5	18.0	17.0
18	11.0	2.0	0.0	1.0	1.0	8.0	8.0	15.5	19.0	15.5	20.0	18.0
19	8.0	2.0	1.0	0.0	2.0	10.0	8.0	15.5	18.0	18.0	25.5	18.0
20	9.0	4.5	3.5	1.0	2.0	9.0	5.5	13.5	15.5	16.5	19.0	15.5
21	8.0	4.5	0.0	0.0	3.5	6.5	9.0	21.0	19.0	16.5	14.5	10.0
22	10.0	4.5	0.0	0.0	2.0	8.0	15.5	16.5	15.5	18.0	16.5	11.0
23	9.0	4.5	0.0	1.0	3.5	6.5	13.5	15.5	18.0	19.0	15.5	11.0
24	9.0	4.5	1.0	0.0	3.5	6.5	9.0	15.5	19.0	26.5	16.5	15.5
25	8.0	4.5	1.0	0.0	5.5	5.5	11.0	15.5	19.0	19.0	15.5	14.5
26	9.0	4.5	0.0	0.0	5.5	8.0	6.5	16.5	16.5	19.0	18.0	9.0
27	10.0	4.5	0.0	0.0	3.5	4.5	4.5	15.5	15.5	19.0	23.5	10.0
28	4.5	7.5	0.0	1.0	8.0	5.5	5.5	15.5	15.5	21.0	19.0	10.0
29	2.0	2.0	0.0	0.0	10.0	6.5	8.0	12.0	21.0	18.0	21.0	10.0
30	3.5	2.0	0.0	0.0	—	4.5	10.0	15.5	18.0	19.0	21.0	9.0
31	1.0	—	0.0	1.0	—	4.5	—	22.0	—	20.0	19.0	—
MONTH	8.5	4.0	0.5	0.0	2.0	6.5	9.5	13.5	20.5	19.0	19.0	15.0

06764200 SOUTH PLATTE RIVER NEAR JULESBURG, COLO.

LOCATION.--Lat 41°00'59", long 102°10'34", in SE¼NW¼ sec.13, T.12 N., R.43 W., Deuel County, Nebr., at diversion to Western Canal about 1.7 miles downstream from Colorado-Nebraska State line, 4.7 miles downstream from gaging station at Julesburg, and about 6 miles northeast of Julesburg.

DRAINAGE AREA.--23,200 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT. 29...	0930	254	--	--	--	120	31	--	--	--	--	370
NOV. 29...	0945	345	--	--	--	190	55	--	--	--	--	700
DEC. 29...	1205	343	--	--	--	190	58	--	--	--	--	710
JAN. 28...	0900	419	25	340	60	190	68	190	15	358	0	710
FEB. 29...	0945	499	--	--	--	190	60	--	--	--	--	700
MAR. 31...	0945	270	--	--	--	190	59	--	--	--	--	730
APR. 28...	1105	118	26	20	110	190	57	190	16	274	0	770
MAY 31...	1330	50	--	--	--	200	58	--	--	--	--	790
JUNE 28...	1140	34	--	--	--	200	56	--	--	--	--	760
JULY 31...	0945	20	26	20	100	200	56	180	18	258	0	810
AUG. 31...	1200	288	--	--	--	--	--	--	--	202	0	--
SEP. 29...	1200	51	--	--	--	--	--	--	--	242	0	--

06764200 SOUTH PLATTE RIVER NEAR JULESBURG, COLO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
OCT. 29...	39	--	.33	.68	.16	--	--	852	980	--	1.16
NOV. 29...	66	--	.24	1.5	.23	--	--	1570	1500	--	2.14
DEC. 29...	70	--	.14	2.1	.24	--	--	1440	1500	--	1.96
JAN. 28...	82	1.0	.79	3.4	.54	.54	300	1450	1500	1470	1.97
FEB. 29...	74	--	.09	2.6	.29	--	--	1570	1600	--	2.14
MAR. 31...	75	--	.07	1.8	.27	--	--	1670	1500	--	2.27
APR. 28...	82	.8	.06	1.2	.13	.10	250	1650	1700	1470	2.24
MAY 31...	83	--	.10	.79	.11	--	--	1550	1600	--	2.11
JUNE 28...	77	--	.14	1.3	.19	--	--	1620	1600	--	2.20
JULY 31...	86	.7	--	1.5	--	.12	270	--	1700	1510	2.05
AUG. 31...	--	--	--	.01	--	.07	--	--	1600	--	--
SEP. 29...	--	--	--	.04	--	.06	--	--	1700	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)
OCT. 29...	584	16	430	--	--	1190	--	1.0	--	--	--
NOV. 29...	1460	26	700	--	--	1880	--	2.0	--	--	--
DEC. 29...	1330	30	710	--	--	1900	--	.0	--	--	--
JAN. 28...	1640	7	750	460	3.0	2000	7.7	.0	20	--	--
FEB. 29...	2160	84	720	--	--	1930	--	9.0	--	--	--
MAR. 31...	1220	47	720	--	--	1870	--	5.0	--	--	--
APR. 28...	526	6	710	480	3.1	1980	8.2	10.0	5	--	--
MAY 31...	209	34	740	--	--	1960	--	23.0	--	--	--
JUNE 28...	140	27	730	--	--	1930	--	24.0	--	--	--
JULY 31...	81.5	200	730	520	2.9	2020	7.4	22.0	20	--	--
AUG. 31...	--	360	--	--	--	1910	7.7	19.0	--	.00	.0
SEP. 29...	--	17	--	--	--	2010	8.2	10.0	--	--	--

06764200 SOUTH PLATTE RIVER NEAR JULESBURG, COLO.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)
OCT. 29...	--	--	--	--	--	--	--	--	--	--	--
NOV. 29...	--	--	--	--	--	--	--	--	--	--	--
DEC. 29...	--	--	--	--	--	--	--	--	--	--	--
JAN. 28...	--	--	--	--	--	--	--	--	--	--	--
FEB. 29...	--	--	--	--	--	--	--	--	--	--	--
MAR. 31...	--	--	--	--	--	--	--	--	--	--	--
APR. 28...	--	--	--	--	--	--	--	--	--	--	--
MAY 31...	--	--	--	--	--	--	--	--	--	--	--
JUNE 28...	--	--	--	--	--	--	--	--	--	--	--
JULY 31...	--	--	--	--	--	--	--	--	--	--	--
AUG. 31...	.00	.01	.00	.00	.02	.00	.00	.00	.00	.00	.00
SEP. 29...	--	--	--	--	--	--	--	--	--	--	--

DATE	PARA-THION (UG/L) (39540)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L) (80040)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L) (80060)	DIS-SOLVED RA-226 (PLAN-CHET COUNT) (PC/L) (09510)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)
OCT. 29...	--	--	--	--	73	1.3	20	3.8	--	.10	26
NOV. 29...	--	--	--	--	120	2.9	22	8.0	--	.10	53
DEC. 29...	--	--	--	--	120	1.8	23	8.3	--	.07	48
JAN. 28...	--	--	--	--	210	<.4	25	4.6	--	.09	52
FEB. 29...	--	--	--	--	140	8.0	19	12	--	.08	61
MAR. 31...	--	--	--	--	120	3.6	19	8.2	--	.12	62
APR. 28...	--	--	--	--	110	.4	22	5.4	--	.10	47
MAY 31...	--	--	--	--	110	1.7	24	8.8	--	.10	42
JUNE 28...	--	--	--	--	170	1.5	22	7.3	--	.12	47
JULY 31...	--	--	--	--	130	10	26	17	.2	--	52
AUG. 31...	.00	.10	.00	.00	95	22	21	23	.1	--	49
SEP. 29...	--	--	--	--	150	.9	23	14	<.1	--	47

06765700 SUPPLY CANAL (TRI-COUNTY DIVERSION) NEAR MAXWELL, NEBR.
(Irrigation network station)

LOCATION.--Lat 41°03'50", long 100°38'30", in sec.28, T.13 N., R.29 W., Lincoln County, at gaging station at Parshall flume near Maxwell.

PERIOD OF RECORD.--Chemical analyses: March 1961 to September 1972 (discontinued).
Water temperatures: March 1961 to September 1972 (discontinued).

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 1,190 micromhos Feb. 14, 15, 21; minimum daily, 682 micromhos Nov. 19.
Water temperatures: Maximum, 25.5°C July 24, Aug. 13; minimum, freezing point on several days during December to February.

Period of record:
Specific conductance: Maximum daily, 1,680 micromhos Jan. 23, 1962; minimum daily, 403 micromhos Jan. 9, 1967.
Water temperatures: Maximum, 28°C June 13, 15, 1962, July 27, 31, 1967; minimum, freezing point on many days during winter period.

REMARKS.--Sampling dates normally identical to those of Platte River at Brady, Nebr. (sta 06766000). Records of discharge given in reports of State engineer.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 14...	1425	1780	--	--	--	--	--	--	--	237	--	--
NOV. 11...	1230	1760	--	--	--	--	--	--	--	226	--	--
DEC. 16...	1250	1970	24	10	10	82	25	91	12	233	270	30
JAN. 19...	1140	1980	--	--	--	--	--	--	--	272	--	--
FEB. 15...	1420	2050	--	--	--	--	--	--	--	271	--	--
MAR. 13...	1430	2070	20	10	30	80	25	89	10	242	260	29
APR. 17...	1410	1330	--	--	--	--	--	--	--	205	--	--
MAY 16...	1245	2110	--	--	--	--	--	--	--	255	--	--
JUNE 15...	1330	1960	14	20	10	66	22	83	11	208	230	25
JULY 18...	1430	2150	--	--	--	--	--	--	--	217	--	--
AUG. 18...	1430	2120	--	--	--	--	--	--	--	212	--	--
SEP. 14...	1440	1010	22	20	0	58	18	74	10	233	180	20

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
OCT. 14...	--	.60	.08	--	--	--	--	--	--	963	8.0	--
NOV. 11...	--	.43	.11	--	--	--	--	--	--	780	8.1	--
DEC. 16...	.6	.47	.07	150	651	.89	310	120	2.3	966	8.2	3
JAN. 19...	--	.62	.05	--	--	--	--	--	--	1140	8.1	--
FEB. 15...	--	1.2	.11	--	--	--	--	--	--	1190	8.3	--
MAR. 13...	.6	.60	.03	140	635	.86	300	100	2.2	931	8.1	0
APR. 17...	--	.33	.06	--	--	--	--	--	--	871	8.2	--
MAY 16...	--	.22	.04	--	--	--	--	--	--	905	8.0	--
JUNE 15...	.5	.15	.03	130	555	.75	260	85	2.3	869	7.6	10
JULY 18...	--	.38	.03	--	--	--	--	--	--	801	7.6	--
AUG. 18...	--	.90	.03	--	--	--	--	--	--	768	7.9	--
SEP. 14...	.6	.20	.04	130	498	.68	220	28	2.2	769	8.1	5

√ 06765700 SUPPLY CANAL (TRI-COUNTY DIVERSION) NEAR MAXWELL, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	814	866	956	789	945	973	887	926	833	791	762	742
2	729	910	956	756	931	967	919	906	829	795	760	737
3	729	870	961	789	997	937	880	921	810	795	755	738
4	724	825	956	899	1030	994	867	877	821	802	755	739
5	730	800	980	817	1060	1000	859	879	814	797	755	741
6	733	772	964	836	1050	991	846	893	802	797	752	722
7	812	767	969	817	1080	979	826	888	812	804	755	733
8	858	757	1000	908	1100	970	869	879	800	812	762	736
9	865	762	1000	880	1040	976	849	867	806	806	---	730
10	858	762	974	842	1030	970	867	849	819	806	---	733
11	865	757	972	801	1050	979	851	813	791	797	---	735
12	886	739	956	903	1070	979	869	820	804	800	---	754
13	883	746	948	782	1140	974	856	965	847	795	---	751
14	890	747	953	860	1150	979	837	908	877	791	---	749
15	898	754	945	829	1150	971	876	858	837	797	---	749
16	867	752	969	803	1140	971	839	906	793	795	---	748
17	863	762	945	952	1120	965	867	860	782	788	752	756
18	872	759	969	831	1110	979	834	906	797	787	752	756
19	860	692	938	876	1120	954	882	863	786	791	767	756
20	865	734	958	843	1120	960	830	813	793	786	763	762
21	854	767	948	986	1150	971	866	826	790	763	763	776
22	860	805	932	929	1130	971	780	798	790	775	763	767
23	868	767	986	847	1140	971	765	794	791	765	763	769
24	863	798	1000	1010	1100	977	844	845	788	761	763	772
25	863	958	1010	934	1080	974	743	858	786	766	768	760
26	858	966	1010	937	1100	971	776	891	784	733	767	772
27	876	963	1030	900	1060	979	737	901	791	758	762	769
28	872	963	1020	986	985	968	767	872	800	760	752	778
29	879	974	948	1040	991	977	767	867	800	760	752	775
30	872	963	948	1040	---	960	896	854	800	761	752	786
31	876	---	950	1030	---	941	---	856	---	760	752	---
MONTH	843	815	969	886	1070	972	838	870	806	784	---	753

> TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	15.5	5.5	1.5	1.5	0.5	4.0	5.5	6.0	21.5	20.0	23.5	19.5
2	13.5	6.5	3.0	0.5	0.6	1.5	9.5	10.5	19.5	22.0	21.5	16.5
3	15.5	5.0	1.5	0.0	0.0	3.0	5.5	7.0	23.0	17.0	21.0	15.0
4	14.0	8.0	3.0	0.0	0.5	1.5	9.0	15.0	20.0	19.5	19.5	19.5
5	16.0	6.0	1.0	1.0	0.5	4.5	8.5	13.5	23.0	18.5	23.5	18.0
6	13.5	5.5	3.0	0.5	0.5	3.5	13.5	12.0	19.5	21.5	21.0	21.5
7	16.5	2.0	1.5	1.5	0.5	5.0	10.5	8.5	23.5	20.0	23.5	18.5
8	14.0	5.5	0.5	0.5	0.5	2.0	9.5	14.0	20.0	23.5	21.5	19.0
9	11.5	4.0	0.0	2.0	0.0	6.0	7.0	12.0	24.0	20.5	22.0	18.5
10	10.0	7.0	1.0	1.0	0.5	4.5	10.5	10.0	20.5	24.5	20.5	23.5
11	14.5	5.5	0.0	3.5	0.5	8.5	8.0	10.0	22.0	22.0	24.5	20.0
12	13.0	6.5	1.0	1.5	2.0	6.0	15.0	12.0	20.5	25.0	22.0	22.0
13	14.0	2.0	0.5	0.0	1.0	9.0	10.5	11.0	22.0	22.0	25.5	20.0
14	10.5	4.5	2.0	0.0	3.0	5.0	12.0	14.5	19.5	23.5	23.0	23.5
15	10.5	2.0	0.5	0.0	1.0	8.5	10.5	16.5	24.5	21.5	25.0	20.5
16	10.5	3.5	1.5	0.0	3.0	6.0	8.5	19.0	20.0	24.0	22.0	24.0
17	13.0	1.0	0.5	0.5	1.5	10.0	15.0	15.0	17.0	21.0	24.5	20.5
18	10.0	5.0	1.5	0.5	3.5	6.5	9.5	19.5	20.0	22.0	23.0	22.0
19	12.0	1.5	0.5	2.0	3.5	11.0	9.0	18.0	19.0	21.0	24.5	19.0
20	11.0	3.5	1.5	1.0	4.5	9.0	7.0	21.0	19.5	23.0	22.0	21.0
21	11.5	4.5	0.5	1.5	2.0	8.0	12.0	18.5	18.0	21.0	24.5	14.5
22	10.5	4.0	3.0	1.0	1.5	6.5	9.5	20.0	15.0	24.5	21.5	16.5
23	12.0	4.5	1.5	2.0	2.0	11.0	8.0	17.0	16.5	23.0	23.5	14.0
24	11.0	7.0	2.0	1.5	3.0	6.5	13.0	19.5	21.5	25.5	[illegible]	16.0
25	13.0	4.0	1.5	0.0	2.0	8.5	8.0	18.0	20.0	23.0	[illegible]	13.5
26	10.5	6.0	1.0	0.0	4.5	6.0	6.5	20.0	23.0	24.5	18.0	14.5
27	11.5	3.5	0.5	0.0	3.0	8.5	6.5	18.5	20.0	23.0	21.5	12.0
28	10.0	5.5	1.0	0.0	5.0	5.5	8.0	20.5	22.0	25.0	18.0	15.0
29	9.0	2.0	0.5	0.5	3.0	9.0	5.0	19.0	20.0	23.0	[illegible]	11.5
30	8.0	4.0	1.0	0.5	---	6.0	6.5	18.5	21.0	24.5	19.5	14.0
31	9.0	---	0.5	0.5	---	6.5	---	17.0	---	22.0	[illegible]	---
MONTH	12.0	4.5	1.5	1.0	2.0	6.5	9.0	15.0	20.5	22.5	22.0	18.0

06766000 PLATTE RIVER AT BRADY, NEBR.
(Irrigation network and pesticide station)

LOCATION.--Lat 41°01'10", long 100°22'16" (chan. 1), lat 40°58'22", long 100°22'39" (chan. 4), in secs.11 and 22, T.12 N., R.27 W., Lincoln County, at gaging station at highway bridges 0.5 mile and 3.5 miles, respectively, south of Brady and 18 miles downstream from confluence of North Platte and South Platte Rivers.

DRAINAGE AREA.--60,200 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: November 1950 to September 1972 (discontinued).
Water temperatures: March 1951 to September 1972 (discontinued).

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 1,130 micromhos Jan. 27 (chan. 1); minimum daily, 545 micromhos Jan. 12 (chan. 1).
Water temperatures: Maximum, 36.5°c June 7, 9 (chan. 1); minimum, freezing point on several days during December to February.

Period of record:
Specific conductance (1951-72): Maximum daily, 1,460 micromhos Jan. 22, 1962 (chan. 1); minimum daily, 305 micromhos Jan. 13, 1956, Jan. 10, 1957 (chan. 1).
Water temperatures: Maximum, 36.5°C June 7, 9, 1972 (chan. 1); minimum, freezing point on many days during winter period.

REMARKS.--Samples for chemical analysis taken from each of two major channels. Sampling dates normally identical to those of Supply Canal (Tri-County Diversion) near Maxwell, Nebr. (sta 06765700).

06765980 PLATTE RIVER AT BRADY, NEBR. (CHANNEL 1)

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 14...	1130	150	--	--	--	--	--	--	--	239	--	--
NOV. 11...	1440	120	--	--	--	--	--	--	--	225	--	--
DEC. 16...	1500	150	37	20	20	60	15	52	9.7	220	130	15
JAN. 19...	1515	1240	--	--	--	--	--	--	--	237	--	--
FEB. 15...	1600	1250	--	--	--	--	--	--	--	227	--	--
MAR. 13...	1605	1130	27	10	58	66	18	68	9.2	233	170	19
APR. 17...	1555	138	--	--	--	--	--	--	--	191	--	--
MAY 16...	1120	1720	--	--	--	--	--	--	--	244	--	--
JUNE 15...	1530	132	29	30	0	62	17	61	10	212	170	18
JULY 18...	1600	1810	--	--	--	--	--	--	--	228	--	--
AUG. 18...	1600	624	--	--	--	--	--	--	--	226	--	--
SEP. 14...	1600	155	30	10	0	58	16	63	9.6	229	140	16

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
OCT. 14...	--	.38	.08	--	--	--	--	--	--	677	8.1	--
NOV. 11...	--	.42	.12	--	--	--	--	--	--	647	8.2	--
DEC. 16...	.6	.55	.10	90	430	.58	210	31	1.6	640	8.0	3
JAN. 19...	--	.01	.07	--	--	--	--	--	--	891	8.0	--
FEB. 15...	--	.99	.15	--	--	--	--	--	--	927	8.1	--
MAR. 13...	.6	.51	.04	110	495	.67	240	48	1.9	741	8.3	3
APR. 17...	--	.08	.09	--	--	--	--	--	--	668	8.5	--
MAY 16...	--	.06	.03	--	--	--	--	--	--	744	8.1	--
JUNE 15...	.5	.07	.03	100	472	.64	220	51	1.8	730	8.0	10
JULY 18...	--	.04	.04	--	--	--	--	--	--	732	7.6	--
AUG. 18...	--	.00	.03	--	--	--	--	--	--	726	8.0	--
SEP. 14...	.6	.00	.05	120	446	.61	210	23	1.9	675	8.2	2

PLATTE RIVER BASIN

06768990 PLATTE RIVER AT BRADY, NEBR. (CHANNEL 4)

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 14...	1040	57	--	--	--	--	--	--	--	270	--	--
NOV. 11...	1400	66	--	--	--	--	--	--	--	237	--	--
DEC. 16...	1415	68	46	10	0	80	20	56	13	265	180	24
JAN. 19...	1545	73	--	--	--	--	--	--	--	269	--	--
FEB. 15...	1520	75	--	--	--	--	--	--	--	266	--	--
MAR. 13...	1535	75	40	10	25	81	21	61	12	264	180	24
APR. 17...	1515	62	--	--	--	--	--	--	--	258	--	--
MAY 16...	1040	116	--	--	--	--	--	--	--	266	--	--
JUNE 15...	1445	53	38	10	10	75	21	60	14	255	170	22
JULY 18...	1520	40	--	--	--	--	--	--	--	250	--	--
AUG. 18...	1500	35	--	--	--	--	--	--	--	250	--	--
SEP. 14...	1515	42	43	20	20	71	20	62	14	268	160	22

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
OCT. 14...	--	1.7	.06	--	--	--	--	--	--	779	7.9	--
NOV. 11...	--	1.3	.10	--	--	--	--	--	--	803	8.2	--
DEC. 16...	.6	1.4	.10	110	556	.76	280	65	1.5	823	8.0	0
JAN. 19...	--	.46	.03	--	--	--	--	--	--	803	8.0	--
FEB. 15...	--	1.4	.04	--	--	--	--	--	--	804	8.1	--
MAR. 13...	.5	1.3	.02	110	555	.75	290	72	1.6	791	8.2	0
APR. 17...	--	.88	.03	--	--	--	--	--	--	781	8.3	--
MAY 16...	--	.83	.03	--	--	--	--	--	--	814	7.8	--
JUNE 15...	.6	.61	.07	130	530	.72	270	65	1.6	800	7.3	10
JULY 18...	--	.46	.05	--	--	--	--	--	--	803	8.0	--
AUG. 18...	--	.00	.04	--	--	--	--	--	--	771	8.1	--
SEP. 14...	.6	.43	.05	120	524	.71	260	43	1.7	786	8.1	2

06765960 PLATTE RIVER AT BRADY, NEBR. (CHANNEL 1)

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	636	653	604	583	982	799	698	622	692	678	706	692
2	612	658	616	571	1040	746	702	591	695	688	694	692
3	642	665	598	686	1020	723	705	600	690	697	705	695
4	644	662	599	881	988	735	695	608	655	705	704	690
5	688	665	600	916	912	753	691	609	649	715	696	688
6	653	658	600	847	889	748	667	624	683	717	688	675
7	650	648	607	781	900	737	655	697	672	711	680	675
8	653	648	665	754	942	737	694	740	658	720	733	674
9	606	648	643	639	980	712	685	720	694	714	686	667
10	648	642	597	567	958	746	676	692	688	708	692	656
11	629	643	590	558	986	745	656	684	662	704	686	644
12	638	637	603	545	1030	751	672	661	636	708	671	614
13	654	636	607	583	1030	727	682	694	659	719	676	636
14	625	638	590	702	1010	726	691	711	683	719	682	647
15	621	636	626	834	1010	715	649	719	684	710	679	661
16	652	612	606	965	1010	730	643	725	654	706	680	665
17	601	588	621	910	882	730	659	733	557	702	685	662
18	600	623	582	853	937	718	687	732	597	721	714	658
19	621	620	581	868	912	748	665	728	636	708	704	614
20	642	617	587	814	882	754	636	727	601	688	724	601
21	653	621	593	748	884	738	644	711	603	701	744	614
22	660	617	590	716	945	738	649	713	599	726	738	627
23	653	623	597	739	920	738	665	687	611	716	737	644
24	649	609	627	722	956	689	626	700	624	706	735	636
25	649	614	657	802	922	694	642	695	620	709	734	633
26	647	619	687	925	875	717	614	686	615	707	729	605
27	650	619	743	1130	816	712	579	662	655	704	723	588
28	648	615	767	1030	757	718	577	649	681	644	722	631
29	631	604	654	1020	785	721	580	658	687	649	718	592
30	614	609	587	994	---	712	594	653	688	692	712	585
31	638	---	580	924	---	705	---	660	---	705	715	---
MONTH	639	632	619	791	937	731	656	680	651	703	705	645

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	9.5	5.5	3.0	1.0	6.0	12.0	11.0	31.5	29.0	26.5	15.0
2	15.5	6.0	3.5	3.5	0.5	4.5	13.0	14.5	30.5	23.5	22.0	16.0
3	17.0	9.5	3.5	2.0	1.0	8.5	13.5	22.0	28.5	17.0	23.0	17.0
4	19.5	13.5	4.5	1.0	1.0	6.0	15.0	21.0	27.0	21.0	18.0	15.5
5	20.5	7.0	6.0	0.5	3.0	8.5	19.0	18.5	32.0	25.0	21.5	25.5
6	22.0	8.0	6.0	3.0	1.0	11.0	13.0	13.0	26.5	26.5	25.5	26.5
7	21.0	6.0	3.0	3.0	3.0	5.0	20.0	9.5	36.5	26.5	29.5	26.0
8	16.0	8.0	1.5	3.0	1.5	8.5	10.0	19.5	29.0	25.0	29.0	25.5
9	15.5	10.0	3.5	1.5	2.0	10.0	15.5	14.5	36.5	26.5	26.5	24.0
10	20.5	5.0	3.0	3.0	2.0	13.5	20.5	11.5	18.0	28.5	19.5	22.0
11	19.5	12.0	3.5	3.0	3.5	15.0	23.0	13.0	24.5	30.5	32.0	21.0
12	18.5	13.0	3.0	1.5	3.5	10.5	19.5	14.0	30.5	29.5	33.0	29.5
13	16.5	11.5	3.0	1.0	4.5	13.0	19.5	13.5	24.0	29.5	33.5	22.0
14	17.0	13.0	3.0	0.0	3.5	10.0	19.5	17.0	29.5	29.5	29.0	17.0
15	12.0	9.5	0.0	1.5	3.0	12.0	14.0	23.5	29.5	27.0	30.0	26.5
16	14.0	4.5	3.0	3.5	0.5	9.5	19.5	26.0	23.0	25.0	31.0	26.0
17	20.0	3.5	4.5	2.0	0.5	14.0	25.5	25.0	25.5	23.5	30.0	20.5
18	18.5	2.0	5.5	3.0	0.0	14.5	11.5	26.0	26.0	24.5	29.0	15.0
19	17.0	5.0	1.0	3.5	4.5	10.5	9.0	25.5	26.5	28.5	29.0	25.5
20	16.5	8.0	3.5	1.0	5.0	13.5	9.0	30.5	24.5	24.0	23.5	23.0
21	16.5	3.0	5.5	3.0	3.0	6.0	16.5	20.5	21.0	26.0	28.0	21.5
22	18.0	8.5	5.5	1.5	4.5	14.0	12.0	26.0	21.0	24.5	24.5	20.5
23	16.5	1.5	3.0	4.0	8.5	9.0	9.0	19.5	25.5	26.5	24.5	15.0
24	18.0	8.5	3.0	1.5	6.0	10.5	20.0	26.0	30.5	29.0	[illegible]	20.0
25	16.0	8.5	3.0	0.5	4.5	12.0	7.0	26.5	31.0	26.5	24.0	17.0
26	18.0	6.0	3.0	0.5	7.0	13.0	6.5	26.0	32.0	26.5	24.5	20.0
27	15.5	6.5	4.5	0.5	10.0	9.0	9.0	24.0	25.5	26.5	25.0	22.0
28	9.5	4.0	3.0	3.0	13.0	13.0	8.5	23.5	28.0	24.0	28.5	11.5
29	5.0	5.0	3.0	4.0	5.0	13.0	13.5	15.0	30.0	24.0	24.0	16.5
30	4.5	5.0	3.0	0.0	---	[illegible]	13.5	24.0	32.0	26.5	29.0	21.0
31	5.0	---	3.0	2.0	---	11.5	---	25.5	---	24.5	23.5	---
MONTH	16.0	7.0	3.5	2.0	3.5	13.0	14.5	20.0	28.0	26.0	26.5	21.0

06765000 PLATTE RIVER AT BRADY, NEBR. (CHANNEL 4)

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	785	798	780	782	805	794	767	813	784	712	762	748
2	790	793	782	780	836	790	774	748	778	745	798	760
3	788	782	789	778	825	789	782	769	778	778	787	755
4	781	775	792	792	809	787	773	776	727	783	735	719
5	781	778	794	815	777	787	768	774	778	787	752	741
6	781	773	789	768	786	787	719	776	759	787	769	758
7	776	773	793	760	756	798	711	771	773	776	787	760
8	776	771	800	784	758	787	775	776	794	788	738	763
9	692	770	798	780	789	781	766	767	794	783	760	766
10	795	770	791	789	798	790	757	749	776	778	769	746
11	715	770	800	795	791	783	741	774	762	713	749	726
12	685	763	800	790	791	785	750	778	749	714	756	770
13	737	764	800	791	791	778	751	849	759	734	760	758
14	753	766	793	831	786	787	752	832	739	717	765	760
15	730	775	798	811	794	787	778	811	736	722	758	755
16	730	780	800	791	796	792	766	780	691	742	758	726
17	748	787	800	623	794	787	771	789	754	762	748	747
18	748	795	800	783	800	785	769	780	750	790	760	768
19	769	792	806	791	807	789	778	782	747	747	760	735
20	792	791	803	796	794	787	772	797	717	728	759	72[illegible]
21	788	787	798	796	796	792	773	784	754	744	758	727
22	786	770	796	790	798	785	773	782	771	787	735	735
23	783	771	800	789	802	789	768	769	768	778	765	763
24	786	768	800	788	800	781	768	801	756	770	747	72[illegible]
25	786	771	799	798	798	802	768	786	756	787	747	725
26	779	778	798	912	800	790	768	782	756	786	764	736
27	778	773	813	874	879	787	777	760	783	786	765	727
28	786	770	796	847	958	789	815	789	754	773	764	746
29	777	770	802	814	796	778	816	797	778	789	769	727
30	767	770	802	814	---	778	789	793	782	786	767	752
31	779	---	800	775	---	783	---	786	---	772	769	---
MONTH	765	776	797	795	804	787	768	785	760	763	761	745

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	21.0	11.0	6.0	4.5	1.0	6.5	13.0	11.5	26.5	28.0	28.0	16.[illegible]
2	16.0	8.0	6.0	1.5	0.5	7.0	14.0	13.5	26.5	22.0	34.0	17.0
3	17.0	10.0	5.0	1.0	0.5	10.0	15.0	20.0	26.0	16.5	21.0	18.0
4	18.5	12.0	6.0	0.0	0.5	7.0	16.5	21.0	28.5	20.0	17.0	15.5
5	19.5	8.0	7.0	1.0	3.0	9.5	20.0	17.0	29.5	24.0	21.0	24.[illegible]
6	20.5	7.0	6.5	1.0	3.0	12.0	15.0	14.0	25.5	26.5	25.0	25.5
7	19.5	7.0	4.0	1.5	1.0	6.5	20.0	10.0	29.5	28.0	28.5	24.5
8	16.0	8.5	1.0	5.5	1.0	9.0	11.5	19.5	29.0	25.5	28.0	24.0
9	15.5	10.0	3.5	6.5	3.0	11.5	15.5	14.0	26.5	27.0	25.5	23.[illegible]
10	18.0	6.0	5.5	6.0	3.0	6.5	19.5	11.0	19.0	29.0	19.5	21.0
11	18.0	12.0	5.5	4.0	3.5	15.0	19.5	13.0	23.5	30.0	31.0	20.[illegible]
12	18.5	12.0	5.5	3.5	7.0	11.0	19.5	15.0	28.5	30.0	31.0	26.5
13	16.0	11.5	4.5	0.0	8.5	13.5	14.0	13.5	23.0	30.5	29.5	20.5
14	23.0	11.5	4.5	0.0	8.0	10.0	9.0	17.0	28.0	30.5	28.0	23.5
15	13.0	6.5	3.0	2.0	9.0	13.0	13.0	22.0	29.5	29.0	29.0	25.5
16	14.0	6.5	3.5	4.5	3.0	6.5	18.5	25.0	23.0	26.5	29.5	25.[illegible]
17	19.0	6.5	6.0	4.0	4.0	8.5	19.5	24.0	24.0	24.5	30.5	20.5
18	17.0	4.0	8.5	7.0	0.0	14.5	11.5	25.0	24.5	25.5	29.5	16.[illegible]
19	15.5	5.0	5.5	6.5	1.5	10.5	9.0	24.0	25.5	30.0	30.0	25.5
20	14.5	6.0	6.5	3.5	10.5	11.0	9.0	26.5	23.0	25.0	29.5	21.[illegible]
21	14.5	6.0	8.5	4.0	8.0	6.5	15.5	21.0	19.5	26.5	29.0	23.[illegible]
22	17.0	8.5	6.0	6.5	6.5	14.0	13.0	25.0	19.5	24.0	25.0	25.[illegible]
23	15.0	4.5	3.5	6.5	8.5	9.5	10.0	18.0	23.0	26.0	23.5	15.5
24	15.5	9.0	3.5	3.5	7.0	10.5	18.5	24.0	26.5	30.0	19.5	19.5
25	16.0	8.5	3.0	0.0	6.0	11.[illegible]	9.0	25.0	28.5	28.0	23.5	14.5
26	17.0	7.0	3.0	0.0	9.0	11.5	6.5	24.0	30.0	28.0	31.0	18.[illegible]
27	14.5	6.5	1.0	0.0	11.0	11.5	8.5	21.0	26.5	28.0	25.5	20.[illegible]
28	6.5	5.0	3.0	1.5	13.5	11.0	9.5	21.0	23.5	24.5	26.5	12.[illegible]
29	6.0	5.0	4.5	5.0	6.5	11.5	13.0	15.0	29.5	22.0	23.0	15.5
30	6.0	5.5	4.5	1.0	---	11.5	13.0	21.5	29.5	28.5	28.5	18.0
31	5.5	---	4.5	1.5	---	12.0	---	24.5	---	25.0	22.0	---
MONTH	15.5	8.0	5.0	3.0	5.0	10.5	14.0	19.0	26.0	26.5	26.5	20.5

06768000 PLATTE RIVER NEAR OVERTON, NEBR.

LOCATION.--Lat 40°40'57", long 99°32'24" (north chan.), and lat 40°40'48", long 99°32'23" (south chan.), in sec.12, T.8 N., R.20 W., Dawson-Phelps County line, at gaging station at highway bridges 4 miles south of Overton and 4 miles downstream from Plum Creek.

DRAINAGE AREA.--61,700 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: December 1951 to September 1952, November 1958 to September 1972.
Water temperatures: November 1958 to September 1972.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 1,110 micromhos Jan. 29 (north chan.); minimum daily, 702 micromhos July 8 (south chan.).
Water temperatures: Maximum, 33.5°C July 26 (south chan.); minimum, freezing point on many days during December to March.

Period of record:
Specific conductance (1958-72): Maximum daily, 1,480 micromhos May 15, 1966 (south chan.); minimum daily, 214 micromhos July 23, 1968 (south chan.).
Water temperatures: Maximum, 37°C June 13, 1959 (south chan.), July 9, 1960 (north chan.); minimum, freezing point on many days during winter period.

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
OCT. 15...	1030	480	29	40	10	65	20	73	13	245	180	20
NOV. 10...	1040	994	30	30	20	72	22	73	12	285	200	26
DEC. 15...	1450	1750	29	10	10	76	23	79	11	282	230	26
JAN. 18...	1140	1990	31	10	20	86	24	81	15	266	250	28
FEB. 15...	1100	2010	30	20	40	83	25	76	11	285	240	28
MAR. 13...	1100	2530	27	20	58	76	22	73	10	284	210	24
APR. 17...	1030	638	27	20	40	74	23	75	11	239	220	25
MAY 16...	0830	2330	27	20	50	70	19	66	12	250	170	20
JUNE 15...	1030	149	24	20	150	70	23	77	12	238	230	25
JULY 18...	1100	96	7.9	30	20	76	22	74	12	239	220	24
AUG. 18...	1010	194	32	180	100	74	22	71	13	264	200	25
SEP. 14...	1030	530	31	20	0	68	20	72	13	266	180	25

DATE	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	COLOR (PLATINUM-COBALT UNITS) (00080)
OCT. 15...	.5	.47	.09	140	523	.71	280	44	2.0	784	8.0	10
NOV. 10...	.5	.64	.13	130	559	.76	270	69	1.9	852	8.1	5
DEC. 15...	.6	.50	.08	140	596	.81	280	86	2.0	893	8.3	5
JAN. 18...	.2	.79	.07	140	650	.88	310	95	2.0	976	8.0	10
FEB. 15...	.5	1.0	.10	130	619	.84	310	110	1.9	948	8.1	7
MAR. 13...	.5	.58	.04	120	565	.77	280	80	1.9	823	8.2	8
APR. 17...	.5	.54	.07	130	576	.78	280	83	2.0	858	8.2	0
MAY 16...	.6	.48	.05	120	510	.69	250	48	1.8	792	7.9	20
JUNE 15...	.5	.21	.04	120	580	.79	270	74	2.0	883	7.8	10
JULY 18...	.5	.00	.05	130	554	.75	280	84	1.9	865	7.4	10
AUG. 18...	.7	.37	.07	140	570	.78	280	59	1.9	874	7.8	10
SEP. 14...	.6	.37	.07	130	542	.74	250	34	2.0	834	8.1	5

06767990 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 15...	1200	512	26	10	0	63	20	75	10	236	190	20
NOV. 10...	1200	675	25	10	20	75	22	79	11	236	220	27
DEC. 15...	1550	762	24	20	0	78	24	88	11	233	260	28
JAN. 18...	1220	738	26	20	0	83	26	93	15	264	290	30
FEB. 15...	1150	1120	25	30	10	91	27	90	11	264	290	32
MAR. 13...	1150	978	20	10	58	83	28	93	10	236	290	32
APR. 17...	1130	382	22	20	10	72	25	80	11	230	230	27
MAY 16...	0930	978	21	20	0	69	21	74	11	232	200	23
JUNE 15...	1130	115	23	10	0	74	24	79	12	238	220	26
JULY 18...	1200	95	20	30	0	64	22	79	11	225	220	24
AUG. 18...	1100	54	22	30	60	66	21	77	11	233	200	23
SEP. 14...	1200	255	20	10	0	57	20	80	11	225	190	22

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
OCT. 15...	.5	.64	.09	130	524	.71	240	46	2.1	785	8.0	10
NOV. 10...	.5	.46	.11	180	578	.79	280	84	2.1	887	8.1	5
DEC. 15...	.6	.28	.04	150	630	.86	290	100	2.2	938	8.3	5
JAN. 18...	.2	1.1	.08	150	698	.95	310	98	2.3	1010	8.1	10
FEB. 15...	.6	.88	.05	160	701	.95	340	120	2.1	1040	8.2	3
MAR. 13...	.6	.59	.01	160	676	.92	320	130	2.3	959	8.2	0
APR. 17...	.5	.52	.03	140	583	.79	280	94	2.1	872	8.2	5
MAY 16...	.7	.30	.05	120	535	.73	260	68	2.0	831	8.0	20
JUNE 15...	.6	.47	.04	120	578	.79	280	88	2.0	874	7.8	--
JULY 18...	.6	.38	.04	140	553	.75	250	66	2.2	837	7.6	7
AUG. 18...	.7	.61	.03	130	538	.73	250	60	2.1	837	7.8	10
SEP. 14...	.5	.08	.04	140	512	.70	220	40	2.3	795	8.0	5

06767998 PLATTE RIVER NEAR OVERTON, NEBR. (NORTH CHANNEL)

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	751	792	752	859	985	900	785	809	832	801	735	808
2	740	804	737	878	982	861	766	822	840	807	738	796
3	724	800	731	872	982	868	767	815	849	808	747	817
4	727	804	722	934	951	845	796	818	859	797	794	817
5	744	802	716	947	954	900	794	809	857	795	760	794
6	739	854	713	919	913	900	792	809	864	794	772	796
7	739	829	711	926	898	932	900	818	868	799	781	787
8	739	825	716	897	884	813	838	818	881	770	792	794
9	766	825	776	811	898	815	832	798	868	807	800	792
10	768	821	847	810	918	813	846	800	881	810	796	783
11	759	821	832	810	930	800	891	773	872	816	786	784
12	766	819	824	789	930	796	842	725	885	825	803	798
13	772	823	804	794	913	798	837	712	870	840	843	800
14	772	825	824	892	905	792	842	750	868	844	827	800
15	770	762	874	911	898	794	839	750	863	835	833	797
16	777	789	878	916	889	789	833	766	857	803	845	795
17	772	789	876	924	877	777	833	773	853	801	851	801
18	768	800	849	929	938	794	835	778	821	855	858	796
19	768	800	930	899	905	773	824	778	823	830	852	783
20	767	802	851	878	911	785	825	778	828	814	831	782
21	751	798	919	909	908	785	829	794	838	806	803	783
22	763	798	860	867	900	903	825	794	861	794	848	796
23	778	796	851	859	913	775	854	794	870	783	835	761
24	770	792	843	883	938	893	832	809	868	786	833	767
25	790	791	896	977	938	760	840	811	807	777	835	792
26	790	804	876	966	943	744	804	828	834	783	819	761
27	794	800	878	1050	920	744	818	836	834	797	798	776
28	805	802	851	1080	915	773	797	818	838	772	798	776
29	803	808	868	1110	908	773	788	818	825	760	779	787
30	790	796	878	1040	---	769	797	818	804	737	779	778
31	798	---	885	1040	---	769	---	826	---	735	796	---
MONTH	766	806	825	915	922	814	823	795	850	799	804	790

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	18.5	9.0	3.0	0.5	0.0	3.0	6.5	10.5	19.0	22.0	21.0	18.0
2	15.5	9.5	3.0	0.5	0.0	1.5	8.5	9.0	21.0	26.0	22.0	15.5
3	16.5	7.0	3.5	0.5	0.0	3.0	6.5	10.0	21.0	16.5	23.0	21.0
4	13.5	6.5	2.0	0.5	0.0	2.0	8.0	13.5	21.5	14.5	23.0	20.0
5	14.5	7.0	1.5	0.0	0.0	2.0	9.5	12.0	21.0	18.0	21.5	19.0
6	14.5	3.5	2.0	0.0	0.0	5.5	13.5	10.5	21.5	20.0	21.0	21.0
7	14.5	8.0	3.0	1.0	0.0	5.5	10.5	10.0	21.0	21.0	23.5	20.0
8	14.5	7.0	0.5	0.0	0.0	4.5	7.0	12.0	21.0	23.5	21.5	19.0
9	12.0	6.0	0.5	0.5	0.0	5.5	9.0	13.5	24.5	22.0	19.0	20.0
10	17.0	6.5	1.5	0.0	0.0	5.0	10.0	13.5	20.0	23.5	23.5	20.5
11	17.0	6.0	1.5	0.5	0.0	8.5	13.5	12.0	20.5	25.5	21.0	20.0
12	13.0	7.0	1.5	0.5	0.0	4.0	14.5	12.0	21.0	23.5	22.0	25.0
13	11.5	7.0	1.0	0.5	1.0	6.0	13.5	12.0	21.0	21.0	22.0	21.0
14	11.5	8.0	1.0	0.0	1.5	8.0	9.0	13.5	20.0	23.5	21.0	22.0
15	12.0	5.5	0.5	0.0	0.5	7.0	10.0	15.5	23.5	21.0	24.5	25.5
16	13.0	3.5	0.5	0.5	1.0	9.0	11.0	19.0	20.5	22.0	22.0	25.5
17	16.5	7.0	0.5	1.0	3.0	8.5	13.5	19.0	21.0	20.0	22.0	19.0
18	15.5	4.5	0.5	1.0	1.0	9.5	10.0	20.0	22.0	20.0	21.0	21.0
19	13.5	4.5	1.5	0.5	1.0	8.5	9.0	19.0	21.0	23.5	24.5	21.0
20	13.0	5.5	1.0	1.0	3.5	10.5	9.0	20.0	16.5	21.0	23.5	23.0
21	11.5	4.5	1.5	0.5	4.5	11.5	13.5	20.0	15.5	21.0	21.0	20.5
22	13.0	9.5	1.0	1.0	1.5	15.5	14.5	20.0	15.5	22.0	21.0	17.0
23	12.0	4.0	2.0	0.5	1.5	13.0	13.5	18.0	18.0	25.5	19.0	17.0
24	12.0	3.5	1.5	0.5	1.5	9.0	12.0	18.0	21.0	22.0	18.0	19.5
25	13.5	5.5	0.5	0.0	3.0	8.0	8.0	20.5	22.0	21.0	16.5	15.0
26	15.0	5.0	0.5	0.0	2.0	9.0	6.5	19.0	20.0	21.5	20.0	13.5
27	11.5	5.5	0.5	0.0	2.0	8.0	8.0	20.0	20.5	23.5	21.0	16.0
28	10.0	2.0	0.5	0.0	4.0	8.0	9.0	13.5	20.0	21.0	23.0	18.5
29	7.0	3.5	1.0	0.0	8.0	8.0	11.0	15.5	23.0	21.0	21.0	13.5
30	6.0	3.5	0.5	0.0	---	8.0	12.0	16.5	23.5	21.0	19.0	16.5
31	5.5	---	0.5	0.0	---	9.5	---	18.0	---	20.0	21.0	---
MONTH	13.0	5.5	1.5	0.5	1.5	7.0	10.0	15.0	20.5	21.5	21.0	19.5

not here

06767990 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	752	823	791	923	984	968	915	847	847	795	813	791
2	737	831	781	928	986	971	896	832	845	802	805	792
3	729	831	781	925	987	968	899	826	845	801	798	788
4	734	831	776	923	988	951	897	834	855	793	747	786
5	742	829	778	923	989	853	894	826	855	795	808	786
6	739	849	779	930	990	853	912	826	853	795	834	786
7	739	845	786	937	991	855	799	845	855	798	804	784
8	747	841	808	925	992	938	921	845	855	702	812	788
9	756	847	855	895	993	938	910	849	875	803	834	783
10	761	843	848	895	994	927	910	841	880	803	815	783
11	745	847	833	909	996	919	856	834	862	814	818	782
12	759	841	840	909	998	982	882	796	860	826	818	771
13	765	841	861	891	1000	982	877	788	860	842	830	771
14	863	839	853	930	997	976	897	818	853	851	828	778
15	768	724	827	930	997	974	870	815	858	830	830	768
16	779	804	842	937	971	968	853	826	862	795	835	772
17	772	813	880	940	1000	957	860	811	858	790	828	768
18	770	809	929	942	988	965	834	811	822	822	826	774
19	775	801	914	940	1010	948	855	818	818	828	798	758
20	772	807	855	945	1040	954	862	811	818	836	844	758
21	766	787	853	960	1040	959	845	821	836	838	844	762
22	781	790	924	942	997	823	845	826	847	832	816	774
23	806	788	926	945	991	938	849	836	855	830	810	771
24	763	785	936	978	1030	803	852	834	864	826	810	771
25	814	790	863	853	997	909	847	838	797	838	814	762
26	816	787	931	973	1020	902	837	849	795	826	812	768
27	816	764	939	975	985	902	832	852	830	828	806	757
28	822	791	949	977	977	938	819	836	832	830	804	755
29	826	787	938	979	997	919	819	836	812	828	834	757
30	824	789	931	980	---	890	841	836	795	833	832	757
31	841	---	941	982	---	902	---	863	---	832	794	---
MONTH	777	812	863	936	997	927	866	830	843	815	812	773

Not here

PLATTE RIVER BASIN

06767999 PLATTE RIVER NEAR OVERTON, NEBR. (SOUTH CHANNEL)

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	21.0	16.5	11.0	8.5	9.5	4.0	2.0	0.0	0.0	0.0	4.0	3.0
2	18.5	14.5	---	---	9.0	2.0	5.0	0.0	0.0	0.0	3.5	3.0
3	17.0	12.0	9.0	7.0	2.0	1.5	0.0	0.0	0.0	0.0	3.5	2.0
4	18.0	12.0	10.0	6.5	3.0	1.5	0.0	0.0	0.0	0.0	2.0	0.5
5	18.0	14.0	9.0	7.0	3.0	1.0	0.0	0.0	0.0	0.0	3.0	0.0
6	18.0	14.5	8.5	6.0	3.5	1.0	1.0	0.0	0.0	0.0	4.0	1.0
7	18.5	15.0	7.0	5.0	2.0	1.0	1.5	0.0	0.0	0.0	4.0	1.0
8	16.5	14.0	8.0	4.5	1.0	0.0	1.5	0.0	0.0	0.0	4.0	1.0
9	15.5	11.5	8.5	5.5	0.5	0.0	1.5	0.0	0.0	0.0	4.5	2.0
10	16.0	11.5	8.5	5.5	1.0	0.0	1.5	0.0	0.0	0.0	5.0	3.5
11	17.0	13.0	10.0	5.5	1.5	0.0	1.0	0.0	0.0	0.0	5.0	3.5
12	16.0	13.0	8.5	6.5	1.0	0.0	0.5	0.0	0.0	0.0	6.0	4.5
13	15.5	11.5	9.0	6.5	3.5	0.0	0.5	0.0	1.0	0.0	6.5	4.0
14	15.5	11.5	8.5	6.0	6.0	3.5	0.0	0.0	1.0	0.0	6.5	4.5
15	15.0	11.5	8.5	6.0	6.0	1.5	0.0	0.0	3.0	0.5	8.0	4.5
16	15.5	13.0	9.5	8.0	2.0	0.5	0.0	0.0	4.0	1.0	8.0	5.0
17	16.5	14.5	8.0	6.5	2.0	0.5	2.0	0.0	4.0	1.0	9.0	6.0
18	16.5	13.5	8.5	6.5	3.0	1.0	2.0	0.0	3.5	0.5	10.0	6.5
19	16.0	12.0	8.0	5.5	1.5	1.5	2.0	0.5	3.5	1.5	11.0	7.0
20	16.0	12.0	6.5	2.0	3.0	1.0	0.5	0.0	4.0	1.5	9.5	9.0
21	15.5	12.0	3.5	1.5	3.0	0.5	1.0	0.0	4.5	2.0	10.0	8.5
22	15.0	13.0	3.5	2.0	1.5	1.0	1.0	0.5	3.5	1.5	10.5	9.0
23	15.0	11.5	4.5	3.5	2.0	0.5	1.0	0.5	5.0	1.5	11.5	9.0
24	14.5	11.5	5.5	4.0	4.5	0.5	1.0	0.0	4.5	3.0	10.5	9.0
25	15.5	12.0	4.5	4.0	8.0	4.5	3.5	0.0	3.5	2.0	11.5	9.0
26	16.0	13.5	4.5	4.0	8.0	0.0	3.5	0.0	4.5	1.5	11.0	9.0
27	15.0	12.0	5.0	3.5	0.0	0.0	0.0	0.0	5.0	2.0	11.0	8.0
28	15.5	10.0	4.0	3.5	0.5	0.0	0.0	0.0	5.0	3.0	10.5	8.5
29	15.5	15.0	4.0	3.5	0.5	0.0	0.0	0.0	5.0	3.0	11.0	7.0
30	15.0	14.5	5.0	3.5	1.0	0.0	0.0	0.0	---	---	11.0	7.0
31	15.0	10.5	---	---	1.0	0.0	0.0	0.0	---	---	9.5	7.0
MONTH	21.0	10.0	11.0	1.5	9.5	0.0	5.0	0.0	5.0	0.0	11.5	0.0

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.5	6.0	11.5	10.0	18.0	15.0	29.0	21.0	29.0	21.0	19.0	16.5
2	11.0	7.0	11.5	9.5	20.5	16.0	22.0	18.5	25.5	23.0	24.0	16.5
3	10.5	7.0	15.0	9.5	22.0	18.0	19.5	16.5	24.5	21.0	21.0	18.5
4	10.5	6.5	16.0	11.5	---	---	23.5	16.0	24.5	21.0	26.0	18.5
5	13.0	8.0	16.0	12.0	---	---	25.5	15.5	26.0	21.5	24.0	18.5
6	13.0	9.5	14.5	11.5	---	---	27.0	17.0	26.0	21.5	25.5	20.0
7	14.5	10.0	16.0	10.5	27.0	22.0	28.5	19.5	26.0	21.0	23.5	19.5
8	11.0	8.5	16.5	11.5	28.0	19.5	29.5	19.5	26.5	21.5	24.5	18.5
9	11.5	7.0	14.0	12.0	28.5	20.0	29.5	21.0	24.0	19.0	22.0	20.0
10	14.5	9.0	13.0	13.0	23.0	20.0	27.0	22.0	25.5	19.5	27.0	21.0
11	15.0	10.5	14.0	13.0	23.5	18.0	28.5	21.5	25.5	20.5	24.5	21.0
12	13.5	10.5	15.5	13.5	29.5	19.5	30.5	22.0	25.5	21.0	26.0	21.0
13	10.5	9.0	14.5	12.0	24.0	20.5	30.5	23.0	25.5	21.5	23.0	20.0
14	10.0	9.0	16.5	12.0	28.0	19.0	30.0	23.5	29.5	21.0	24.5	18.5
15	9.5	9.0	18.5	14.0	29.5	20.0	28.5	22.0	26.5	21.0	25.5	18.5
16	10.5	8.5	20.0	16.0	24.0	20.5	29.5	20.0	30.0	20.5	25.0	19.5
17	11.5	9.5	20.5	17.0	25.0	19.5	24.5	21.5	29.5	23.0	24.5	19.0
18	11.5	10.0	20.5	17.0	28.5	19.0	27.0	19.5	30.0	23.0	25.5	19.0
19	10.0	10.0	21.0	17.0	29.0	20.5	29.0	21.5	29.5	24.0	24.0	20.0
20	10.0	9.5	21.5	18.0	24.5	16.5	29.0	22.0	29.5	24.0	23.0	19.5
21	11.0	9.5	23.0	18.0	22.0	17.0	27.0	21.5	29.0	23.5	23.0	18.0
22	12.0	10.0	23.0	19.0	21.5	16.0	31.0	21.0	26.5	22.0	21.0	16.5
23	12.0	10.5	20.0	18.5	24.5	16.5	31.0	23.0	26.5	20.5	20.5	16.0
24	12.0	10.5	24.0	16.0	26.0	18.5	31.0	21.5	22.0	20.5	20.0	16.5
25	12.0	9.5	24.5	18.5	28.5	18.5	29.5	22.0	24.5	19.0	18.0	16.0
26	10.0	9.5	23.0	19.0	30.0	19.0	33.5	21.5	26.0	19.0	19.5	15.0
27	10.0	9.0	21.5	18.5	25.5	19.5	30.0	21.5	26.5	20.0	20.0	15.0
28	10.0	9.5	23.0	18.5	27.0	18.5	29.0	20.0	28.5	21.0	18.5	15.5
29	11.0	9.5	20.0	16.0	28.0	19.5	31.0	20.0	25.0	18.5	16.0	14.5
30	12.0	10.0	21.0	15.0	29.5	21.0	31.5	19.5	25.5	19.5	17.0	13.0
31	---	---	16.5	14.5	---	---	27.0	20.5	24.5	19.0	---	---
MONTH	15.0	6.0	24.5	9.5	30.0	15.0	33.5	15.5	30.0	18.5	27.0	13.0

06770500 PLATTE RIVER NEAR GRAND ISLAND, NEBR.

LOCATION.--Lat 40°52'28", long 98°16'54", in SW¼SW¼ sec.31, T.11 N., R.8 W., Merrick County, at gaging station at bridge on U.S. Highway 34, 2 miles upstream from Burlington Northern Inc. bridge and 5 miles southeast of Grand Island.

DRAINAGE AREA.--62,800 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: July to September 1972.
Water temperatures: July to September 1972.

WATER QUALITY DATA, JULY TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
JULY 17...	120	23	10	29	68	23	82	11	226	0	220	28
AUG. 09...	1540	22	10	10	63	20	81	11	228	0	200	23
SEP. 26...	687	21	90	0	62	21	80	11	231	0	200	24

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
JULY 17...	.7	.07	.06	160	567	.77	184	260	79	2.2	871	20
AUG. 09...	.6	.01	.06	140	533	.72	2220	240	53	2.3	856	30
SEP. 26...	.8	.00	.07	140	534	.73	991	240	52	2.2	818	5

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
JULY 17...	1430	120	8.5	20.5	8.0
AUG. 09...	1400	1540	8.7	23.0	8.4
SEP. 26...	1530	687	8.3	16.5	9.3

not here

PLATTE RIVER BASIN

06770200 PLATTE RIVER NEAR GRAND ISLAND, NEBR.--Continued

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), JULY TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	726	828
2	---	---	---	---	---	---	---	---	---	---	710	821
3	---	---	---	---	---	---	---	---	---	---	719	830
4	---	---	---	---	---	---	---	---	---	---	748	820
5	---	---	---	---	---	---	---	---	---	---	756	831
6	---	---	---	---	---	---	---	---	---	---	786	831
7	---	---	---	---	---	---	---	---	---	---	789	823
8	---	---	---	---	---	---	---	---	---	---	784	817
9	---	---	---	---	---	---	---	---	---	---	786	813
10	---	---	---	---	---	---	---	---	---	---	793	802
11	---	---	---	---	---	---	---	---	---	---	837	777
12	---	---	---	---	---	---	---	---	---	---	791	786
13	---	---	---	---	---	---	---	---	---	---	782	782
14	---	---	---	---	---	---	---	---	---	---	782	791
15	---	---	---	---	---	---	---	---	---	---	800	790
16	---	---	---	---	---	---	---	---	---	---	824	804
17	---	---	---	---	---	---	---	---	---	852	818	805
18	---	---	---	---	---	---	---	---	---	846	846	807
19	---	---	---	---	---	---	---	---	---	877	834	800
20	---	---	---	---	---	---	---	---	---	898	863	723
21	---	---	---	---	---	---	---	---	---	873	792	739
22	---	---	---	---	---	---	---	---	---	889	836	779
23	---	---	---	---	---	---	---	---	---	863	852	809
24	---	---	---	---	---	---	---	---	---	754	849	809
25	---	---	---	---	---	---	---	---	---	675	840	811
26	---	---	---	---	---	---	---	---	---	667	845	807
27	---	---	---	---	---	---	---	---	---	795	861	811
28	---	---	---	---	---	---	---	---	---	754	868	807
29	---	---	---	---	---	---	---	---	---	773	864	796
30	---	---	---	---	---	---	---	---	---	792	858	789
31	---	---	---	---	---	---	---	---	---	811	821	---
MONTH	---	---	---	---	---	---	---	---	---	---	808	802

TEMPERATURE (°C) OF WATER, JULY TO SEPTEMBER 1972

✓

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	---	---	---	---	---	---	---	---	---	21.5	15.5
2	---	---	---	---	---	---	---	---	---	---	24.5	14.0
3	---	---	---	---	---	---	---	---	---	---	23.0	17.5
4	---	---	---	---	---	---	---	---	---	---	19.5	25.0
5	---	---	---	---	---	---	---	---	---	---	21.5	17.5
6	---	---	---	---	---	---	---	---	---	---	26.0	20.0
7	---	---	---	---	---	---	---	---	---	---	21.5	22.0
8	---	---	---	---	---	---	---	---	---	---	22.5	17.0
9	---	---	---	---	---	---	---	---	---	---	21.0	19.5
10	---	---	---	---	---	---	---	---	---	---	21.0	20.0
11	---	---	---	---	---	---	---	---	---	---	23.0	22.5
12	---	---	---	---	---	---	---	---	---	---	25.0	21.5
13	---	---	---	---	---	---	---	---	---	---	26.0	21.5
14	---	---	---	---	---	---	---	---	---	---	30.5	17.5
15	---	---	---	---	---	---	---	---	---	---	24.0	17.0
16	---	---	---	---	---	---	---	---	---	---	31.0	20.0
17	---	---	---	---	---	---	---	---	---	22.0	23.5	20.0
18	---	---	---	---	---	---	---	---	---	17.0	31.0	19.5
19	---	---	---	---	---	---	---	---	---	20.5	[illegible]	21.5
20	---	---	---	---	---	---	---	---	---	27.5	30.0	21.0
21	---	---	---	---	---	---	---	---	---	[illegible]	21.5	16.5
22	---	---	---	---	---	---	---	---	---	32.0	21.0	15.0
23	---	---	---	---	---	---	---	---	---	34.5	17.5	13.5
24	---	---	---	---	---	---	---	---	---	33.5	18.0	15.5
25	---	---	---	---	---	---	---	---	---	27.0	16.5	16.0
26	---	---	---	---	---	---	---	---	---	32.0	15.5	12.0
27	---	---	---	---	---	---	---	---	---	26.5	18.0	13.0
28	---	---	---	---	---	---	---	---	---	23.5	19.0	17.5
29	---	---	---	---	---	---	---	---	---	29.0	19.5	14.0
30	---	---	---	---	---	---	---	---	---	26.0	21.0	11.0
31	---	---	---	---	---	---	---	---	---	24.0	19.5	---
MONTH	---	---	---	---	---	---	---	---	---	---	22.5	18.0

06773500 WOOD RIVER NEAR CHAPMAN, NEBR.

LOCATION.--Lat 40°57'50", long 98°13'22", in NE¼SE¼ sec.34, T.12 N., R.8 W., Merrick County, at county road bridge 2.0 miles west and 4.0 miles south of center of Chapman.

DRAINAGE AREA.--700 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
OCT. 06...	6.8	30	30	30	72	14	85	16	268	100	79	.2
NOV. 01...	10	29	40	30	72	14	53	11	212	110	42	.5
DEC. 16...	19	26	60	100	82	16	110	13	290	200	76	.7
JAN. 10...	13	25	40	110	82	16	90	10	264	190	56	.6
FEB. 17...	13	25	70	200	90	16	130	13	205	230	130	.7
MAR. 08...	10	31	30	270	78	14	100	14	313	120	110	.7
APR. 06...	11	30	50	250	78	14	95	32	304	100	110	.7
MAY 22...	16	28	60	500	75	14	61	13	296	94	52	1.1
JUNE 06...	15	30	80	300	77	14	94	14	299	110	88	.7
JULY 10...	6.3	35	60	120	71	12	65	12	191	110	55	.6
AUG. 09...	22	26	570	70	61	12	63	14	220	88	50	.5
SEP. 26...	8.4	31	150	110	75	16	120	19	325	150	110	1.9

06773500 WOOD RIVER NEAR CHAPMAN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (0031[illegible])	CYANIDE (CN) (MG/L) (00720)
OCT. 06...	3.5	--	3.3	280	544	240	18	2.4	959	20	4.6	--
NOV. 01...	4.0	1.2	.99	180	454	240	63	1.5	742	5	6.0	.01
DEC. 16..	.44	--	2.6	200	669	270	33	2.9	1150	20	9.6	--
JAN. 10...	.58	--	1.7	180	602	270	54	2.4	967	20	7.5	--
FEB. 17...	.21	--	2.5	350	737	290	120	3.3	1290	20	4.1	--
MAR. 08...	.79	--	1.5	210	626	250	0	2.7	1080	20	16	--
APR. 06...	.60	--	3.1	200	612	250	3	2.6	990	20	5.2	--
MAY 22...	.50	1.0	1.6	310	483	240	2	1.7	825	20	3.3	.01
JUNE 06...	.87	--	1.8	270	579	250	5	2.6	978	20	.3	--
JULY 10...	1.3	--	.88	310	461	230	70	1.9	789	20	5.4	--
AUG. 09...	2.9	--	3.1	150	448	200	15	1.9	743	30	4.4	--
SEP. 26...	.00	--	12	330	683	250	0	3.3	1190	20	5.0	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT. 06...	1410	8.8	8.0	22.5	8.0
NOV. 01...	1130	10	7.8	12.0	8.0
DEC. 16...	1445	19	7.8	9.0	5.9
JAN. 10...	1140	13	7.8	9.0	8.1
FEB. 17...	1420	13	7.7	6.0	7.4
MAR. 08...	1340	10	8.0	12.0	7.9
APR. 06...	1345	11	8.0	20.5	6.1
MAY 22...	1355	14	8.0	26.0	7.3
JUNE 06...	1045	15	7.8	24.0	6.5
JULY 10...	1100	6.3	8.1	29.0	7.8
AUG. 09...	1130	22	7.8	18.0	5.6
SEP. 26...	1230	4.4	7.7	16.5	8.3

06774000 PLATTE RIVER NEAR DUNCAN, NEBR.

LOCATION.--Lat 41°22'04", long 97°29'40", in SE¼SW¼ sec.12, T.16 N., R.2 W., Platte County, at gaging station at highway bridge 1.5 miles south of Duncan and 12 miles upstream from Loup River.

DRAINAGE AREA.--64,900 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: December 1964 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
NOV. 11...	1430	1910	26	75	22	78	11	241	0	210	27	.5
DEC. 22...	1510	2460	25	76	23	78	11	234	0	220	26	.6
JAN. 11...	1715	2460	26	88	27	87	12	248	0	280	29	.6
FEB. 02...	1630	1220	28	90	27	94	12	279	0	290	33	.7
MAR. 14...	1200	3090	27	82	24	90	11	248	0	250	31	.7
APR. 04...	1100	3030	20	75	22	83	11	234	0	230	26	.6
MAY 16...	1130	3920	23	61	15	44	12	211	0	120	15	.5
JUNE 27...	1740	402	23	61	18	63	12	216	0	180	23	.5
JULY 19...	1640	212	23	39	9.7	30	14	142	0	79	12	.4
AUG. 09...	1200	1400	20	48	15	60	12	172	0	150	19	.5
SEP. 20...	1130	470	24	49	13	46	9.3	176	0	120	15	.5

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
NOV. 11...	.56	.16	110	571	.78	280	80	2.0	866	8.1	9.0	5
DEC. 22...	.55	.11	120	577	.78	280	92	2.0	907	8.1	33.0	3
JAN. 11...	.59	.11	130	674	.92	330	130	2.1	989	8.0	33.0	20
FEB. 02...	.61	.15	150	715	.97	340	110	2.2	1080	7.8	.5	10
MAR. 14...	.58	.08	230	640	.87	300	100	2.2	917	7.7	1.5	0
APR. 04...	.29	.09	140	584	.79	280	86	2.2	876	8.2	6.5	20
MAY 16...	.34	.23	120	396	.54	210	41	1.3	611	7.8	24.0	60
JUNE 27...	.25	.39	120	488	.66	230	49	1.8	716	8.5	79.0	10
JULY 19...	.67	.46	120	280	.38	140	21	1.1	422	7.6	84.0	80
AUG. 09...	.28	.25	120	410	.56	180	41	1.9	633	8.0	19.5	50
SEP. 20...	.55	.18	120	366	.50	180	32	1.5	566	7.8	23.0	20

not here

06775500 MIDDLE LOUP RIVER AT DUNNING, NEBR.

LOCATION.--Lat 41°49'50", long 100°06'00", in NW¼SE¼ sec.33, T.22 N., R.24 W., Blaine County, temperature recorder at gaging station at bridge on State Highway 2 at northeast corner of Dunning, 1 mile upstream from Dismal River.

DRAINAGE AREA.--1,850 sq mi (revised), approximately, of which about 80 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: October 1949 to September 1956, October 1965 to September 1972.
Sediment records: March 1950 to September 1952, October 1953 to September 1954.

EXTREMES.--1971-72:
Water temperatures: Maximum, 30.0°C July 11; minimum, freezing point on many days during December to February.

Period of record:
Water temperatures: Maximum, 34°C June 21, 1956; minimum, freezing point on many days during winter period.

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	20.0	15.5	8.0	5.0	4.0	2.0	0.0	0.0	0.0	0.0	5.0	0.5
2	15.5	11.5	7.0	3.5	3.0	2.0	0.0	0.0	0.0	0.0	4.0	0.5
3	14.5	9.0	6.0	2.0	3.0	1.5	0.0	0.0	0.0	0.0	4.5	0.5
4	16.0	10.0	9.0	5.0	3.5	1.5	0.0	0.0	0.0	0.0	3.5	0.5
5	17.0	12.0	8.0	3.0	3.5	1.0	0.0	0.0	0.0	0.0	6.5	0.5
6	18.5	11.5	4.5	2.0	4.5	1.0	0.0	0.0	0.0	0.0	10.0	4.0
7	18.5	13.0	3.0	1.0	4.0	1.0	0.0	0.0	0.0	0.0	7.0	3.0
8	14.5	10.0	5.5	1.0	1.0	1.0	0.0	0.0	0.0	0.0	7.0	0.5
9	13.5	8.0	6.5	2.0	1.0	1.0	0.5	0.0	0.0	0.0	8.5	3.0
10	16.0	8.5	8.5	3.5	1.0	1.0	1.0	0.5	0.0	0.0	11.0	3.0
11	16.5	11.0	9.0	4.5	1.0	1.0	0.5	0.0	0.0	0.0	14.0	6.5
12	14.5	11.5	9.5	6.0	1.0	1.0	0.5	0.0	0.0	0.0	12.0	8.5
13	13.5	8.5	10.0	6.5	1.0	1.0	0.0	0.0	0.0	0.0	11.5	8.5
14	16.5	9.0	10.0	6.0	1.0	1.0	0.0	0.0	0.0	0.0	10.5	6.5
15	11.5	8.5	8.0	5.5	2.0	1.0	0.0	0.0	0.0	0.0	11.0	6.0
16	9.0	8.5	8.5	6.5	1.0	1.0	0.0	0.0	0.0	0.0	11.0	5.0
17	16.5	9.0	6.5	2.0	1.0	1.0	0.0	0.0	0.0	0.0	11.5	8.5
18	16.0	14.5	3.5	1.0	3.5	1.0	0.0	0.0	2.0	0.0	14.0	6.0
19	14.5	10.0	3.5	1.0	3.0	1.5	0.0	0.0	5.5	0.5	14.0	8.5
20	13.5	9.0	7.0	3.5	3.0	0.5	0.0	0.0	8.0	3.0	11.0	6.0
21	13.0	8.5	6.5	4.5	3.0	0.5	0.0	0.0	7.0	3.5	13.0	5.5
22	13.5	9.5	5.0	3.5	3.5	1.0	0.0	0.0	3.5	1.0	13.0	6.5
23	13.5	8.5	5.0	3.0	5.0	1.5	1.0	0.0	6.5	1.0	11.0	6.0
24	13.5	9.0	5.0	1.5	4.0	2.0	1.0	0.5	4.5	0.5	7.0	4.5
25	13.0	10.0	6.5	3.5	5.5	2.0	0.5	0.0	4.0	1.5	11.5	5.0
26	14.0	9.5	6.5	3.5	4.0	0.5	0.0	0.0	5.5	1.0	8.0	6.5
27	13.5	8.5	4.0	3.0	0.5	0.5	0.0	0.0	8.5	3.0	10.5	5.0
28	8.5	3.0	4.0	2.0	0.5	0.5	0.0	0.0	12.0	5.5	9.0	4.0
29	3.0	1.5	2.0	1.5	0.5	0.0	0.0	0.0	10.0	5.0	9.0	3.0
30	2.0	1.0	2.0	2.0	0.0	0.0	0.0	0.0	---	---	8.5	4.0
31	5.5	1.0	---	---	0.0	0.0	0.0	0.0	---	---	7.0	3.0
MONTH	20.0	1.0	10.0	1.0	5.5	0.0	1.0	0.0	12.0	0.0	14.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	10.5	1.5	9.5	5.5	25.5	16.0	27.0	19.0	24.5	19.5	18.0	15.0
2	12.0	4.5	9.0	5.5	26.0	18.0	22.0	16.5	21.5	17.0	18.0	14.0
3	10.0	3.0	15.5	7.0	25.0	20.0	20.0	14.5	19.0	15.5	19.0	14.5
4	12.0	4.0	16.5	11.0	26.5	19.0	21.0	15.5	20.0	16.0	23.0	15.5
5	15.5	6.5	16.5	13.5	26.5	20.0	23.0	15.5	25.5	18.5	21.5	17.0
6	15.0	10.5	14.5	9.5	24.0	19.0	24.0	16.5	23.5	19.0	24.0	19.0
7	10.5	9.0	15.5	7.0	25.5	19.0	26.5	19.0	25.5	16.5	20.5	17.0
8	11.5	6.0	16.5	11.0	27.0	19.5	28.5	19.0	24.5	19.0	21.0	14.5
9	11.0	5.0	14.0	11.0	28.0	20.0	27.0	20.0	25.0	16.5	21.5	18.0
10	15.0	8.0	11.5	10.0	24.0	18.5	26.5	20.5	25.5	18.5	26.5	20.0
11	10.5	10.0	13.0	10.0	24.0	16.5	30.0	21.0	27.0	19.5	23.5	19.0
12	15.0	11.5	14.5	11.5	28.0	17.0	28.0	21.5	28.0	20.5	24.5	19.0
13	15.5	9.0	14.0	10.5	23.5	20.5	26.5	20.0	27.0	21.0	21.5	18.0
14	10.0	5.5	19.0	9.0	25.5	18.5	27.0	21.0	25.5	20.0	20.5	14.5
15	13.5	4.5	22.0	13.5	25.5	19.0	26.0	19.0	26.5	20.0	21.5	15.0
16	10.5	8.0	24.0	15.5	22.0	18.5	26.0	19.0	26.5	20.0	21.5	15.5
17	16.0	9.0	23.0	16.5	20.5	18.0	23.5	19.0	26.5	20.0	21.0	15.0
18	11.5	7.0	23.0	16.5	25.5	18.0	24.5	16.5	26.5	20.0	23.5	15.5
19	7.0	6.0	22.0	16.5	23.5	16.0	26.5	20.0	25.5	20.0	21.0	18.0
20	7.0	6.0	24.0	16.5	20.5	13.0	23.5	16.0	25.5	20.0	20.0	16.5
21	14.0	6.0	24.5	16.0	18.0	14.5	25.5	18.0	25.0	19.0	16.5	13.0
22	13.5	8.0	21.0	17.0	18.0	14.5	28.5	20.0	23.0	17.0	17.0	12.0
23	13.5	7.0	20.0	16.5	22.0	14.5	28.0	22.0	21.0	15.0	18.0	12.0
24	15.0	6.5	23.5	14.5	26.0	17.0	26.0	20.0	19.0	14.5	17.0	13.5
25	10.5	6.0	22.0	16.5	26.0	19.0	25.0	20.5	21.0	14.0	14.0	12.0
26	6.0	6.0	23.5	16.5	27.0	19.0	26.0	20.0	23.0	14.5	14.5	9.0
27	6.5	6.0	21.0	17.0	24.5	20.0	25.5	20.5	24.0	17.0	18.0	10.5
28	7.0	6.5	21.5	16.0	24.5	18.5	20.5	18.5	25.0	18.5	16.0	11.5
29	13.0	7.0	19.0	14.5	28.5	18.5	25.5	16.5	25.5	19.0	14.5	11.5
30	11.0	9.5	19.0	12.0	27.0	20.5	26.5	19.5	26.0	19.5	16.5	9.5
31	---	---	22.0	13.0	---	---	24.0	20.0	23.0	18.0	---	---
MONTH	16.0	1.5	24.5	5.5	28.5	13.0	30.0	14.5	28.0	14.0	26.5	9.0

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.
(Hydrologic bench-mark and radiochemical station)

LOCATION.--Lat 41°46'45", long 100°31'30", in SE¼NW¼ sec.23, T.21 N., R.28 W., Thomas County, at gaging station at bridge on State Highway 83, 2 miles upstream from boundary of Nebraska National Forest (Bessey Division) and 14 miles south of Thedford.

DRAINAGE AREA.--960 sq mi, approximately, of which about 30 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1967 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV. 03...	189	57	0	0	22	3.3	6.8	5.1	101	0	6.0	1.3
JAN. 05...	180	60	10	30	24	3.3	6.8	7.0	101	0	6.2	2.0
MAR. 07...	193	57	10	13	24	3.3	7.0	5.3	101	0	6.7	1.8
MAY 10...	218	56	20	0	20	3.7	6.9	8.0	104	0	7.9	1.8
JULY 12...	180	54	20	0	22	3.8	8.1	5.1	101	0	6.0	.7
SEP. 12...	198	56	100	0	25	3.5	6.9	5.2	99	0	7.7	1.3

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
NOV. 03...	.3	.48	.19	20	--	.21	78.6	68	0	.4	178	7
JAN. 05...	.3	.66	.16	20	148	.20	71.9	73	0	.3	184	5
MAR. 07...	.4	.43	.15	20	150	.20	78.2	73	0	.4	181	0
MAY 10...	.3	.44	.12	30	190	.26	112	65	0	.4	178	20
JULY 12...	.3	.29	.20	20	154	.21	74.8	71	0	.4	179	10
SEP. 12...	.3	.30	.15	20	166	.23	88.7	77	0	.3	177	--

DATE	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	ALDRIN (UG/L) (39330)	ALDRIN IN BOTTOM DE-POSITS (UG/KG) (39333)	CHLOR-DANE (UG/L) (39350)	CHLOR-DANE IN BOTTOM DE-POSITS (UG/KG) (39351)	DDD (UG/L) (39360)	DDD IN BOTTOM DE-POSITS (UG/KG) (39363)	DDE (UG/L) (39365)	DDE IN BOTTOM DE-POSITS (UG/KG) (39368)	DDT (UG/L) (39370)	DDT IN BOTTOM DE-POSITS (UG/KG) (39373)
NOV. 03...	.6	.00	.00	<.2	.0	<1.0	.00	<.2	.00	<.2	.00	<.2
JAN. 05...	1.7	--	--	--	--	--	--	--	--	--	--	--
MAR. 07...	.8	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	.4	.00	--	--	--	--	--	--	--	--	--	--
JULY 12...	.8	--	--	--	--	--	--	--	--	--	--	--
SEP. 12...	1.1	--	--	--	--	--	--	--	--	--	--	--

06775900 DISMAL RIVER NEAR THEDFORD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	DI-ELDRIN IN BOTTOM DE-POSITS (UG/KG) (39383)	ENDRIN (UG/L) (39390)	ENDRIN IN BOTTOM DE-POSITS (UG/KG) (39393)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR IN BOTTOM DE-POSITS (UG/KG) (39413)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	HEPTA-CHLOR EPOXIDE IN BOT-TOM DE-POSITS (UG/KG) (39423)	LINDANE (UG/L) (39340)	LINDANE IN BOTTOM DE-POSITS (UG/KG) (39343)	MALA-THION (UG/L) (39530)
NOV. 03...	.00	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2	.00
JAN. 05...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 07...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	--	--	--	--	--	--	--	--	--	--	--	--
JULY 12...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 12...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MALA-THION IN BOTTOM DE-POSITS (UG/KG) (39531)	METHYL PARA-THION (UG/L) (39600)	METHYL PARA-THION IN BOT-TOM DE-POSITS (UG/KG) (39601)	PARA-THION (UG/L) (39540)	PARA-THION IN BOTTOM DE-POSITS (UG/KG) (39541)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
NOV. 03...	<.2	.00	<.2	.00	<.2	.00	.00	.00	10	800	--	0
JAN. 05...	--	--	--	--	--	--	--	--	--	--	--	--
MAR. 07...	--	--	--	--	--	--	--	--	--	--	--	--
MAY 10...	--	--	--	--	--	--	--	--	2	100	0	0
JULY 12...	--	--	--	--	--	--	--	--	--	--	--	--
SEP. 12...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L) (80040)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L) (80060)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (80020)
NOV. 03...	1	2	.2	2	0	10	2.1	6.7	5.4	3.4	.06	.31
MAY 10...	0	1	.3	0	0	20	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)
NOV. 03...	0920	189	7.8	5.5	15	10.1	23
JAN. 05...	1000	180	7.9	.5	25	10.9	44
MAR. 07...	1000	193	8.3	7.5	30	10.2	140
MAY 10...	0935	218	8.0	10.5	15	9.4	62
JULY 12...	0915	180	7.8	20.0	15	7.4	140
SEP. 12...	0953	198	7.9	18.0	15	7.7	--

06777000 MIDDLE LOUP RIVER NEAR MILBURN, NEBR.

LOCATION.--Lat 41°49'02", long 99°58'15", in NE¼SW¼ sec.3, T.21 N., R.23 W., Blaine County, at Laughran bridge 9 miles upstream from Rifle Creek and 15 miles northwest of Milburn.

DRAINAGE AREA.--3,890 sq mi, approximately, of which 135 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: February 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
JUNE 20...	713	56	23	3.3	7.0	5.4	101	0	6.4	.6	.2
JULY 18...	658	57	21	3.2	7.2	5.4	103	0	7.3	1.0	.3

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
JUNE 20...	.49	.20	30	154	.21	296	71	0	.4	20
JULY 18...	.38	.17	40	155	.21	275	66	0	.4	10

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
13...	1520	758	181	7.9	12.0	10	9.9
21...	1300	790	184	8.0	13.0	20	9.0
28...	1140	760	130	7.7	11.5	10	2.0
NOV.							
02...	1100	875	162	7.7	5.0	20	11.0
09...	1130	774	157	7.7	5.5	15	11.6
16...	1030	848	160	7.8	7.5	20	10.0
23...	1143	798	162	7.9	5.0	15	10.8
DEC.							
01...	1220	881	164	7.7	4.0	20	10.4
09...	1120	741	181	7.9	.0	20	10.6
14...	1150	764	173	8.0	1.0	20	11.9
21...	1120	836	184	7.8	7.5	30	12.4
JAN.							
25...	1610	391	200	7.7	.0	10	12.3
FEB.							
14...	1320	845	146	7.7	1.5	20	11.5
MAR.							
28...	1235	790	177	7.9	7.0	20	10.6
APR.							
17...	1125	944	173	8.1	16.5	15	8.8
MAY							
30...	1305	833	183	8.2	17.0	15	8.5
JUNE							
20...	1100	713	179	8.0	18.5	20	8.6
JULY							
06...	1040	693	180	8.2	20.0	20	7.9
11...	1035	648	178	7.9	24.0	15	7.2
18...	1015	658	177	7.9	19.5	15	8.2
AUG.							
02...	0910	680	179	7.9	19.0	25	7.9
08...	1010	674	178	7.9	20.5	25	7.8
14...	1150	670	179	8.1	25.0	15	7.5
21...	1135	785	170	8.1	23.5	10	7.7
28...	1037	783	167	8.1	21.0	10	7.8
SEP.							
06...	1105	818	166	8.1	21.0	10	7.7
11...	1157	835	158	8.1	19.0	10	8.1
28...	1100	761	168	7.9	11.0	10	9.4

06778500 MIDDLE LOUP RIVER NEAR COMSTOCK, NEBR.

LOCATION.--Lat 41°28'48", long 99°12'43", in NE¼NE¼NE¼ sec.1, T.17 N., R.17 W., Custer County, at bridge on Custer-Valley County line 0.3 mile downstream from diversions for canals 3 and 4, 1.3 miles south of Burlington Northern Inc. crossing, and 5.5 miles southeast of Comstock.

DRAINAGE AREA.--4,650 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: August 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
JUNE 20...	233	54	27	3.8	6.8	5.6	118	0	7.4	3.0	.3
JULY 18...	60	57	29	4.2	7.6	6.3	126	0	7.2	1.0	.3

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
JUNE 20...	.32	.20	40	167	.23	105	83	0	.3	20
JULY 18...	.10	.14	30	175	.24	28.4	90	0	.4	20

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
05...	1210	189	196	8.1	17.5	15	9.4
15...	1110	398	186	8.2	11.0	15	10.0
19...	1105	686	180	8.0	12.0	15	9.3
28...	1630	853	161	7.7	9.0	160	9.7
NOV.							
04...	1120	1230	189	8.0	9.5	40	10.7
09...	1440	874	196	8.0	6.5	30	11.1
16...	1500	1100	186	7.8	9.5	30	8.7
23...	1535	849	192	8.0	5.0	25	10.8
30...	1115	709	217	7.8	1.5	30	11.1
DEC.							
09...	1610	623	218	8.0	.5	20	10.8
15...	1350	873	202	8.0	1.0	25	10.9
21...	1420	954	166	7.9	10.0	10	12.3
27...	1253	454	223	7.7	.0	25	12.4
JAN.							
28...	1500	294	258	7.4	.0	10	11.9
FEB.							
15...	1420	1100	181	7.6	1.0	10	11.0
MAR.							
29...	1350	765	194	7.9	7.0	20	11.8
APR.							
18...	1235	649	195	8.1	7.0	10	10.0
MAY							
31...	1245	624	202	8.2	19.5	15	8.6
JUNE							
20...	1530	233	193	7.8	19.5	20	8.5
JULY							
06...	1350	69	212	8.1	26.5	15	8.0
12...	1450	57	210	8.4	28.5	20	8.0
18...	1350	60	215	8.2	26.0	10	7.9
AUG.							
02...	1310	302	201	8.0	22.5	45	7.6
08...	1350	132	199	8.2	25.5	20	7.9
14...	1555	120	203	8.5	29.5	15	8.2
22...	1532	74	218	8.4	25.0	15	7.7
28...	1410	84	213	8.4	28.0	15	7.8
SEP.							
06...	1523	350	214	8.2	25.0	25	7.7
12...	1543	272	181	8.2	26.0	15	7.9
28...	1510	367	201	8.1	16.0	10	9.1

06785000 MIDDLE LOUP RIVER AT ST. PAUL, NEBR.

LOCATION.--Lat 41°11'55", long 98°26'50", in NE¼SW¼NE¼ sec.10, T.14 N., R.10 W., Howard County, at gaging station 450 ft upstream from bridge on U.S. Highway 281 and 6 miles upstream from confluence with North Loup River.

DRAINAGE AREA.--8,090 sq mi (revised), approximately, of which about 3,200 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED FLUORIDE (F) (MG/L) (00950)
JUNE 19...	384	48	47	7.4	10	9.2	194	0	12	3.1	.6
JULY 19...	314	46	44	7.3	10	9.5	183	0	15	2.0	.4

DATE	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	COLOR (PLATINUM-COBALT UNITS) (00080)
JUNE 19...	.23	.16	70	234	.32	243	150	0	.4	20
JULY 19...	.00	.19	40	224	.30	190	140	0	.4	30

FIELD DETERMINATIONS

DATE	TIME	DISCHARGE (CFS) (00060)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)
OCT.							
07...	1210	473	260	8.3	18.5	30	9.5
14...	1230	400	332	8.5	15.5	25	9.6
18...	1025	1070	273	8.1	18.0	40	8.0
26...	1110	1030	241	8.1	17.5	35	8.8
NOV.							
02...	1355	822	270	8.0	8.5	45	10.3
10...	1325	873	245	8.0	10.0	40	10.5
16...	1645	1460	254	8.0	9.0	45	8.8
22...	1400	1090	256	8.1	3.0	60	12.2
DEC.							
02...	1200	1100	291	8.1	2.0	55	11.2
07...	1620	1190	263	8.1	2.0	45	12.0
14...	1200	889	281	8.0	.5	20	11.5
22...	1335	--	275	8.0	.5	25	12.8
28...	1005	--	315	8.0	.0	15	13.0
JAN.							
25...	1415	1130	272	7.3	.0	15	12.3
FEB.							
16...	1330	1270	236	7.7	1.5	10	11.2
MAR.							
27...	1515	1280	255	8.1	14.0	40	9.7
APR.							
19...	1225	597	297	8.4	10.0	25	10.3
JUNE							
01...	1045	670	283	8.5	20.0	30	8.5
19...	1310	384	322	8.5	27.5	40	8.3
JULY							
05...	1300	278	300	8.3	24.0	40	8.0
13...	1245	387	265	8.3	29.5	170	7.3
19...	1310	314	310	8.3	27.5	45	7.8
31...	1343	821	293	8.3	23.0	90	6.9
AUG.							
08...	1050	595	338	8.3	23.5	60	8.5
17...	1200	296	342	8.5	28.0	50	7.5
23...	1420	233	366	8.3	24.5	55	7.8
30...	1410	247	352	8.0	21.0	50	7.8
SEP.							
08...	1102	404	332	8.5	18.5	50	9.2
14...	1412	539	319	8.6	23.0	55	9.2
26...	1100	497	307	8.4	12.5	30	9.1

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.

LOCATION.--Lat 41°48'35", long 99°10'56", in NW¼NW¼ sec.9, T.21 N., R.16 W., Garfield County, at gaging station at bridge 1.5 miles upstream from mouth and 3 miles northwest of Burwell.

DRAINAGE AREA.--1,060 sq mi, approximately, of which about 110 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1971 to September 1972.
Water temperatures: October 1971 to September 1972.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 221 micromhos May 17; minimum daily, 118 micromhos July 20.
Water temperatures: Maximum, 30.5°C Aug. 13; minimum, freezing point on many days during January to March.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)
OCT. 22...	280	51	0	20	0	17	2.4	6.0	5.6	87
DEC. 13...	250	55	--	--	--	18	2.8	5.8	4.7	83
FEB. 22...	299	51	--	--	--	17	2.6	5.7	4.4	80
APR. 19...	258	47	--	--	--	17	2.6	5.8	4.6	84
MAY 19...	288	45	--	--	--	20	2.8	6.9	5.7	88
JUNE 15...	270	48	--	--	--	18	2.6	4.7	4.4	85
JULY 13...	251	49	--	--	--	20	2.8	5.6	4.8	88
AUG. 07...	261	50	--	--	--	18	2.7	5.7	4.4	82
SEP. 19...	259	50	--	--	--	16	2.3	5.8	4.8	81

DATE	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 22...	0	5.0	1.6	.2	.44	.23	20	134	.18	101
DEC. 13...	0	7.0	1.5	.5	.67	.18	70	139	.19	93.8
FEB. 22...	0	4.1	.9	.3	.57	.19	20	128	.17	103
APR. 19...	0	2.8	.6	.2	.39	.14	20	124	.17	86.4
MAY 19...	0	4.0	1.0	.3	.15	.14	50	130	.18	101
JUNE 15...	0	4.4	.9	.0	.38	.15	20	127	.17	92.6
JULY 13...	0	3.1	1.0	.4	.29	.17	20	131	.18	88.8
AUG. 07...	0	4.5	1.0	.3	.29	.14	10	128	.17	90.2
SEP. 19...	0	3.7	1.1	.3	.29	.14	20	125	.17	87.4

PLATTE RIVER BASIN

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	COLOR (PLATINUM-COBALT UNITS) (00080)	DISSOLVED COPPER (CU) (UG/L) (01040)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED VANADIUM (V) (UG/L) (01085)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT. 22...	52	0	.4	145	20	1	.4	6.9	20
DEC. 13...	56	0	.3	145	5	--	--	--	--
FEB. 22...	53	0	.3	138	10	--	--	--	--
APR. 19...	53	0	.3	139	8	--	--	--	--
MAY 19...	61	0	.4	157	40	--	--	--	--
JUNE 15...	56	0	.3	140	20	--	--	--	--
JULY 13...	61	0	.3	140	20	--	--	--	--
AUG. 07...	56	0	.3	140	5	--	--	--	--
SEP. 19...	49	0	.4	138	5	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DISCHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)
OCT. 22...	1130	280	7.8	11.0	--	9.6
NOV. 30...	1535	312	7.8	3.0	--	11.0
DEC. 13...	1155	250	7.6	.0	--	12.3
JAN. 11...	1255	318	7.7	1.0	10	12.3
FEB. 22...	1355	299	7.7	3.0	--	10.8
APR. 19...	1235	258	7.9	8.5	10	10.6
MAY 19...	0945	288	8.0	19.0	10	8.5
JUNE 15...	1130	270	7.8	22.0	--	8.2
JULY 13...	1030	251	7.6	22.5	15	7.9
AUG. 07...	1025	261	7.9	19.5	10	8.2
SEP. 19...	1240	259	7.8	23.0	--	8.1

06787500 CALAMUS RIVER NEAR BURWELL, NEBR.--Continued

✓ SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	135	139	144	138	148	140	144	155	145	145	138	142
2	140	135	141	136	147	139	139	145	146	141	142	139
3	136	139	140	139	149	136	139	147	146	140	145	142
4	136	141	141	154	144	135	141	149	154	140	140	142
5	137	138	141	150	141	134	141	150	138	145	149	142
6	140	140	143	148	140	134	139	143	143	139	152	134
7	139	140	143	135	142	134	140	149	142	147	144	143
8	141	140	145	138	138	134	140	145	142	142	140	139
9	138	140	145	134	142	135	140	164	149	145	139	141
10	139	138	146	137	142	136	140	134	156	147	139	140
11	144	139	138	143	140	136	141	138	145	140	148	139
12	139	152	142	135	133	136	141	155	146	140	140	140
13	153	140	143	144	131	137	141	181	140	142	143	142
14	139	140	142	169	131	138	142	203	140	142	141	143
15	141	139	143	160	126	138	143	212	138	143	142	139
16	141	136	141	153	132	136	140	219	145	144	141	144
17	140	142	142	137	136	134	141	221	142	145	142	141
18	139	140	141	137	142	136	142	218	151	133	142	142
19	143	143	140	137	137	138	144	210	124	141	142	141
20	139	142	140	133	138	138	142	208	135	118	142	145
21	144	144	139	143	137	139	140	204	146	131	142	139
22	144	144	147	144	137	139	138	202	135	141	144	150
23	151	147	142	130	139	167	148	197	140	141	145	141
24	140	145	143	139	141	138	142	188	141	140	141	143
25	142	143	140	175	130	136	136	184	139	139	139	141
26	140	142	143	178	142	138	143	179	141	138	138	141
27	140	144	151	161	140	138	137	176	143	144	141	148
28	140	140	145	156	142	140	138	174	142	142	141	142
29	134	146	138	178	143	138	154	165	163	144	140	139
30	135	143	138	149	---	136	152	164	147	144	146	144
31	137	---	143	140	---	136	---	159	---	148	142	---
MONTH	140	141	142	147	139	138	142	175	143	141	142	142

✓ TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	20.0	3.0	3.0	3.0	0.0	0.0	4.0	7.0	21.5	24.5	22.0	19.0
2	13.5	3.5	2.0	1.5	0.0	0.0	7.5	9.0	23.0	18.5	21.5	19.5
3	10.5	2.0	2.0	0.5	0.0	2.5	5.0	8.5	23.5	24.0	21.0	19.5
4	11.5	5.0	3.5	0.5	0.0	0.5	5.5	7.5	24.0	23.5	23.0	17.5
5	12.0	5.0	3.5	0.5	0.0	1.5	13.5	12.5	25.0	22.5	24.0	17.0
6	12.0	2.0	4.0	0.5	0.0	3.5	7.5	8.5	22.5	24.5	24.5	21.0
7	12.5	0.5	3.5	0.5	0.0	5.0	10.0	10.0	23.0	28.5	25.5	17.5
8	10.5	1.5	0.5	1.0	0.0	8.0	13.0	8.0	23.0	24.5	24.0	21.5
9	11.5	5.0	2.0	1.5	0.0	3.0	12.5	9.5	24.5	25.5	25.5	19.0
10	14.5	4.0	3.5	1.5	0.0	4.0	8.5	10.5	19.5	25.0	28.5	22.5
11	11.0	5.0	1.5	0.5	0.0	8.5	9.5	9.5	24.5	25.5	28.0	18.0
12	11.5	6.0	1.5	2.0	1.5	11.0	14.0	14.5	24.0	25.0	30.0	20.0
13	9.0	10.5	0.5	0.5	2.0	7.5	14.0	12.5	24.5	23.5	30.5	21.5
14	10.0	9.5	0.5	0.5	1.0	6.0	7.5	23.0	23.5	26.5	29.5	20.0
15	10.0	7.5	0.5	0.5	2.0	6.5	8.5	16.0	16.5	22.5	26.0	22.5
16	10.0	10.0	1.0	1.5	1.5	6.0	13.0	17.0	19.5	25.0	28.5	25.5
17	14.5	7.0	3.5	1.0	2.0	9.5	14.5	20.5	20.5	20.5	25.5	22.5
18	17.0	2.5	1.0	1.5	0.5	7.0	8.5	22.5	23.0	24.5	24.0	21.5
19	11.5	2.0	1.0	0.5	1.5	7.0	7.5	25.0	21.5	23.5	28.5	21.5
20	9.5	5.0	0.5	0.5	3.5	9.5	11.5	24.0	21.0	21.0	29.5	23.0
21	9.0	4.5	1.0	0.5	2.5	7.0	7.5	24.5	19.5	26.5	24.5	20.5
22	11.0	7.5	2.5	1.0	0.5	12.0	10.5	20.0	18.5	30.0	27.5	19.5
23	10.0	3.5	3.5	1.0	1.0	7.5	8.0	20.5	23.5	28.5	24.5	17.5
24	10.0	2.0	3.5	0.5	0.5	6.5	8.5	18.5	24.0	27.0	26.0	17.0
25	11.5	4.0	3.0	0.0	1.5	12.5	7.5	20.0	26.0	25.5	25.5	16.5
26	10.5	4.0	0.5	0.0	3.5	8.5	7.5	19.5	26.0	24.0	27.0	15.5
27	13.0	2.0	1.0	0.0	7.5	6.5	8.0	18.5	22.5	25.5	26.0	15.0
28	6.5	3.0	1.5	0.0	7.0	9.0	9.5	21.0	24.0	24.5	24.5	16.5
29	4.0	2.0	1.0	0.0	4.0	9.5	9.5	17.5	26.0	24.5	25.5	12.0
30	2.0	2.5	1.0	0.0	---	7.5	9.5	16.0	24.0	25.0	23.0	19.5
31	2.5	---	2.0	0.5	---	5.0	---	17.5	---	23.5	24.5	---
MONTH	10.5	4.0	2.0	0.5	1.5	6.5	9.5	16.0	22.5	24.5	25.5	19.5

06800500 ELKHORN RIVER AT WATERLOO, NEBR.

LOCATION.--Lat 41°17'25", long 96°17'05", in SW¼ sec.3, T.15 N., R.10 E., Douglas County, at gaging station at bridge at north edge of Waterloo, 3.5 miles downstream from Rawhide Creek.

DRAINAGE AREA.--6,900 sq mi, approximately, of which about 5,900 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: October 1966 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT. 12...	1300	411	22	120	30	67	15	23	7.0	277	2	43
NOV. 11...	1345	585	32	10	80	71	15	23	7.4	272	0	44
DEC. 17...	1200	503	35	0	150	80	18	27	8.4	318	0	61
JAN. 24...	1300	388	--	--	--	--	--	--	--	--	--	--
24...	1400	388	37	20	110	74	15	22	7.6	290	0	42
FEB. 18...	1130	827	28	30	350	61	13	21	9.9	243	0	41
MAR. 27...	1530	862	33	10	30	67	13	19	8.8	266	0	46
APR. 13...	1325	678	26	100	780	65	14	20	7.9	250	0	46
MAY 25...	1400	3740	15	40	0	39	7.9	12	10	194	0	24
JULY 18...	1600	3480	14	60	20	44	9.1	11	7.5	176	0	27
AUG. 18...	1100	741	27	40	25	62	12	19	8.6	239	0	41
SEP. 27 A	1110	533	21	40	30	70	15	23	7.3	279	0	53

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)
OCT. 12...	11	.4	.01	.40	70	327	.44	230	0	.7	539	8.4
NOV. 11...	15	.3	1.0	.53	70	346	.47	240	16	.6	565	7.6
DEC. 17...	18	.4	1.0	.57	70	409	.56	270	13	.7	666	7.8
JAN. 24...	--	--	--	--	--	--	--	--	--	--	--	--
24...	18	.1	1.0	.53	60	363	.49	250	9	.6	546	7.7
FEB. 18...	15	.4	1.4	.63	60	315	.43	210	7	.6	506	7.3
MAR. 27...	10	.3	1.1	.40	60	333	.45	220	3	.6	513	7.9
APR. 13...	11	.4	.46	.53	60	316	.43	220	15	.6	483	8.2
MAY 25...	5.6	.5	1.2	.23	110	215	.29	130	0	.5	370	6.9
JULY 18...	6.0	.5	1.1	.12	80	211	.29	150	3	.4	349	7.2
AUG. 18...	9.3	.5	.01	.36	100	297	.40	200	8	.6	482	8.0
SEP. 27...	14	.4	.00	.50	70	341	.46	240	8	.7	540	8.2

A Also, DISSOLVED ALUMINUM (AL), 30 μg/l.

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)	ALDRIN (UG/L) (39330)	ALDRIN IN BOTTOM DEPOSITS (UG/KG) (39333)	CHLORDANE (UG/L) (39350)	CHLORDANE IN BOTTOM DEPOSITS (UG/KG) (39351)	DDD (UG/L) (39360)	DDD IN BOTTOM DEPOSITS (UG/KG) (39363)	DDE (UG/L) (39365)	DDE IN BOTTOM DEPOSITS (UG/KG) (39368)	DDT IN FILT. FRAC. (UG/L) (39371)	DDT (UG/L) (39370)
OCT.												
12...	22.0	20	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	10.5	5	--	--	--	--	--	--	--	--	--	--
DEC.												
17...	.5	5	--	--	--	--	--	--	--	--	--	--
JAN.												
20...	.5	--	.00	<.2	.0	<1.0	.00	<.2	.00	<.2	.00	.00
24...	.5	7	--	--	--	--	--	--	--	--	--	--
FEB.												
18...	.0	30	--	--	--	--	--	--	--	--	--	--
MAR.												
27...	10.0	20	--	--	--	--	--	--	--	--	--	--
APR.												
13...	15.5	20	.00	--	.0	--	.00	--	.00	--	.00	.00
MAY												
25...	20.0	70	--	--	--	--	--	--	--	--	--	--
JULY												
18...	25.0	50	.00	<.2	.0	<1.0	.00	<.2	.00	<.2	.00	.00
AUG.												
18...	28.0	50	--	--	--	--	--	--	--	--	--	--
SEP.												
27...	14.5	10	--	--	--	--	--	--	--	--	--	--

DATE	DDT IN BOTTOM DEPOSITS (UG/KG) (39373)	DIAZINON (UG/L) (39570)	DIELDRIN (UG/L) (39380)	DIELDRIN IN BOTTOM DEPOSITS (UG/KG) (39383)	ENDRIN (UG/L) (39390)	ENDRIN IN BOTTOM DEPOSITS (UG/KG) (39393)	HEPTACHLOR (UG/L) (39410)	HEPTACHLOR IN BOTTOM DEPOSITS (UG/KG) (39413)	HEPTACHLOR EPOXIDE (UG/L) (39420)	HEPTACHLOR EPOXIDE IN BOTTOM DEPOSITS (UG/KG) (39423)	LINDANE (UG/L) (39340)	LINDANE IN BOTTOM DEPOSITS (UG/KG) (39343)
OCT.												
12...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
20...	<.2	.01	.01	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
27...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
13...	--	--	.00	--	.00	--	.00	--	.00	--	.00	--
MAY												
25...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
18...	<.2	.04	.03	<.2	.00	<.2	.00	<.2	.00	<.2	.00	<.2
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
27...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	MALATHION (UG/L) (39530)	METHYL PARATHION (UG/L) (39600)	PARATHION (UG/L) (39540)	PCB (UG/L) (39516)	PCB IN BOTTOM DEPOSITS (UG/KG) (39519)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DISSOLVED COPPER (CU) (UG/L) (01040)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED VANADIUM (V) (UG/L) (01085)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT.												
12...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
11...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
17...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
20...	.00	.00	.00	.0	<2.0	.00	.00	.00	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
27...	--	--	--	--	--	--	--	--	--	--	--	--
APR.												
13...	--	--	--	.0	--	.00	.00	.00	--	--	--	--
MAY												
25...	--	--	--	--	--	--	--	--	--	--	--	--
JULY												
18...	.00	.00	.00	.0	<2.0	.00	.00	.00	--	--	--	--
AUG.												
18...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
27...	--	--	--	--	--	--	--	--	20	.2	0.0	30

06800500 ELKHORN RIVER AT WATERLOO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
JAN. 24...	1320	.0	388	50	52	--	--
APR. 13...	1325	15.5	670	179	120	--	--
MAY 25...	1350	20.0	3740	13100	132000	20	36
JULY 18...	1600	25.0	3480	15800	148000	50	61

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
JAN. 24...	--	98	--	--	--	--
APR. 13...	--	--	83	87	100	--
MAY 25...	65	--	95	97	99	100
JULY 18...	82	--	96	97	99	100

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)
JAN. 24...	1320	.0	4	388	--	0	2
MAY 25...	1350	20.0	3	3740	0	4	44
JULY 18...	1600	25.0	3	3480	0	2	14

DATE	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (801[illegible])	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)
JAN. 24...	5	34	88	98	100	--
MAY 25...	55	74	92	99	100	--
JULY 18...	37	61	79	93	98	100

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.

LOCATION.--Lat 40°46'13", long 96°43'05", in SW¼SW¼ sec.2, T.9 N., R.6 E., Lancaster County, at county road bridge 0.9 mile west of U.S. Highway 77 and of northeast corner of State Penitentiary at Lincoln.

DRAINAGE AREA.--221 sq mi.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
07...	4.7	15	200	10	490	100	24	230	8.0	297	0	190
27...	11	--	--	--	--	91	20	160	6.9	293	0	140
NOV.												
10...	12	24	100	20	350	80	18	120	10	250	0	110
24...	11	--	--	--	--	67	15	73	6.5	232	0	84
DEC.												
07...	16	23	100	60	280	89	21	140	7.0	308	0	100
21...	11	--	--	--	--	110	23	160	7.6	329	0	160
JAN.												
12...	20	19	100	10	260	98	26	180	6.0	291	0	150
19...	15	--	--	--	--	110	26	220	8.9	345	0	170
FEB.												
09...	11	29	200	20	560	120	27	240	6.4	348	0	200
24...	10	--	--	--	--	87	20	170	5.9	252	0	130
MAR.												
15...	11	--	--	--	--	96	23	190	6.4	293	0	160
29...	10	15	100	10	1000	100	24	190	6.2	300	0	160
APR.												
11...	12	9.7	0	10	970	84	22	130	5.9	325	0	110
20...	10	--	--	20	1300	86	21	140	6.3	315	0	110
MAY												
02...	229	--	--	--	--	32	8.2	21	14	136	0	43
23...	37	15	20	50	120	74	19	54	8.3	287	0	76
JUNE												
06...	23	--	--	30	170	95	23	100	7.8	307	0	130
21...	15	21	40	20	20	90	22	120	8.8	291	0	130
JULY												
25...	6.3	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	7.3	--	--	--	--	--	--	--	--	--	--	--
SEP.												
11...	6.7	--	--	--	--	--	--	--	--	--	--	--
25...	5.5	21	--	--	--	90	21	140	7.7	312	0	120

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)
OCT.												
07...	320	.2	.30	.53	.47	.17	.06	.34	.25	--	1040	1120
27...	190	.5	.41	.60	.49	.08	.11	.43	.23	--	780	796
NOV.												
10...	160	.4	.32	1.9	.85	.53	1.0	.71	.46	--	688	692
24...	85	.3	.10	1.9	.51	.41	1.4	.56	.41	--	522	542
DEC.												
07...	180	.3	.37	1.4	.66	.29	.71	.43	.43	--	752	764
21...	200	.5	.35	1.0	.52	.17	.50	.32	.31	--	856	848
JAN.												
12...	260	.3	.32	.89	.51	.19	.38	.22	.20	--	900	940
19...	310	.8	.11	.80	.55	.44	.25	.32	.24	--	1050	1070
FEB.												
09...	330	.4	.48	1.4	.67	.19	.69	.28	.28	--	1160	1210
24...	230	.3	.43	1.2	.63	.20	.54	.20	.17	--	876	884
MAR.												
15...	270	.5	.36	.52	.52	.16	.00	.36	.22	--	936	956
29...	260	.5	.26	.61	.54	.26	.07	.27	.27	--	988	1020
APR.												
11...	150	.4	.45	.64	.60	.15	.04	.40	.26	--	810	750
20...	180	.5	.29	.50	.43	.14	.07	.37	.16	--	824	852
MAY												
02...	16	.4	2.5	4.7	3.1	.62	1.6	1.7	.19	--	260	256
23...	51	.4	.55	1.5	.70	.15	.82	.53	.24	--	466	470
JUNE												
06...	130	.5	.49	1.5	.55	.06	.94	.26	.26	--	712	724
21...	150	.5	.73	2.3	.82	.09	1.5	.60	.48	--	828	848
JULY												
25...	270	--	.25	--	.50	.25	.01	.39	.37	--	900	--
AUG.												
08...	200	--	.76	--	.83	.09	.02	.36	.21	--	792	--
SEP.												
11...	--	--	--	--	--	--	--	--	--	--	--	--
25...	170	.5	1.3	--	1.4	.10	.00	.46	.30	120	756	--

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	PHENOLS (UG/L) (32730)
OCT.												
07...	280	1.41	13.2	1160	360	350	100	5.4	1800	10	2.3	10
27...	160	1.06	24.0	792	140	310	69	4.0	1320	10	5.5	--
NOV.												
10...	100	.94	22.3	744	228	270	69	3.2	1100	40	1.5	0
24...	132	.71	15.8	--	--	230	39	2.1	798	--	3.0	--
DEC.												
07...	192	1.02	32.5	796	388	310	56	3.5	1210	20	1.3	50
21...	164	1.16	25.9	856	152	370	99	3.6	1440	5	1.5	--
JAN.												
12...	180	1.22	48.6	936	208	350	110	4.2	1490	20	1.2	--
19...	164	1.43	43.7	1060	200	380	99	4.9	1800	20	1.7	--
FEB.												
09...	260	1.58	34.5	1200	300	410	130	5.2	1950	10	1.8	30
24...	100	1.19	23.7	900	160	300	93	4.3	1360	40	1.3	--
MAR.												
15...	300	1.27	35.4	944	180	330	94	4.5	1590	8	2.2	--
29...	180	1.34	26.9	1070	228	350	100	4.4	1520	20	3.0	29
APR.												
11...	320	1.10	27.1	1210	220	300	34	3.3	1860	40	2.6	60
20...	188	1.12	22.2	908	220	300	40	3.5	1220	20	2.3	--
MAY												
02...	60	.35	161	2860	384	110	2	.9	350	200	5.8	--
23...	144	.63	46.9	716	126	260	28	1.5	749	7	3.6	0
JUNE												
06...	168	.97	44.2	956	216	330	80	2.4	1110	20	2.0	--
21...	176	1.13	33.5	936	200	320	77	2.9	1120	30	3.2	30
JULY												
25...	--	1.22	15.3	--	--	--	--	--	1520	--	2.7	--
AUG.												
08...	--	1.08	15.6	--	--	--	--	--	1180	--	3.4	--
SEP.												
11...	--	--	--	--	--	--	--	--	--	--	2.9	--
25...	--	1.03	11.2	--	--	310	55	3.5	1190	20	2.2	--

DATE	CYANIDE (CN) (MG/L) (00720)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)
OCT.												
07...	.00	.00	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	.00	.00	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	.00	.00	--	--	--	--	--	--	--	--	--	--
21...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	.00	.00	.00	.0	.00	.00	.00	--	.00	.00	.00	.00
19...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
09...	.00	.00	--	--	--	--	--	--	--	--	--	--
24...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
15...	--	--	--	--	--	--	--	--	--	--	--	--
29...	.00	.00	--	--	--	--	--	--	--	--	--	--
APR.												
11...	.00	.00	--	--	--	--	--	--	--	--	--	--
20...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
02...	--	--	--	--	--	--	--	--	--	--	--	--
23...	.02	.00	--	--	--	--	--	--	--	--	--	--
JUNE												
06...	--	--	--	--	--	--	--	--	--	--	--	--
21...	.01	.00	--	--	--	--	--	--	--	--	--	--
JULY												
25...	--	--	.00	.0	.00	.00	.00	.00	.01	.00	.00	.00
AUG.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
11...	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)	PARA-THION (UG/L) (39540)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COPPER (CU) (UG/L) (01040)
OCT.												
07...	--	--	--	--	--	--	--	0	200	0	0	2
27...	--	--	--	--	--	--	--	--	--	--	0	--
NOV.												
10...	--	--	--	--	--	--	--	2	100	0	0	130
24...	--	--	--	--	--	--	--	--	--	--	0	--
DEC.												
07...	--	--	--	--	--	--	--	2	300	1	0	2
21...	--	--	--	--	--	--	--	--	--	--	1	--
JAN.												
12...	.00	--	--	--	.00	.00	.00	3	100	1	0	1
19...	--	--	--	--	--	--	--	--	--	--	0	--
FEB.												
09...	--	--	--	--	--	--	--	20	0	1	1	70
24...	--	--	--	--	--	--	--	--	--	--	0	--
MAR.												
15...	--	--	--	--	--	--	--	--	--	--	0	--
29...	--	--	--	--	--	--	--	3	0	1	0	3
APR.												
11...	--	--	--	--	--	--	--	6	0	0	0	1
20...	--	--	--	--	--	--	--	--	--	--	0	--
MAY												
02...	--	--	--	--	--	--	--	--	--	--	0	--
23...	--	--	--	--	--	--	--	0	0	0	0	2
JUNE												
06...	--	--	--	--	--	--	--	--	--	--	0	--
21...	--	--	--	--	--	--	--	4	0	1	0	3
JULY												
25...	.00	.00	.00	.00	.11	.01	.00	--	--	--	--	--
AUG.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
11...	--	--	--	--	--	--	--	--	--	--	--	--
25...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.				
07...	1	.2	2	30
NOV.				
10...	0	22	9	50
DEC.				
07...	2	.3	5	50
JAN.				
12...	5	2.1	3	20
FEB.				
09...	3	.3	4	100
MAR.				
29...	4	.1	1	20
APR.				
11...	0	.2	3	20
MAY				
23...	4	.0	3	20
JUNE				
21...	2	.1	8	10

06803080 SALT CREEK ABOVE BEAL SLOUGH, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT.									
07...	1300	4.7	7.5	14.5	20	8.2	4600	18000	1000
27...	1030	11	7.0	14.0	40	6.5	4900	3700	1100
NOV.									
10...	1245	12	7.1	6.0	40	11.2	6500	20990	2900
24...	1145	11	7.8	3.0	80	11.2	700	2500	4300
DEC.									
07...	1300	16	8.0	3.0	20	11.7	130	1000	1900
21...	1030	11	8.1	.0	10	13.2	50	200	540
JAN.									
12...	1200	20	7.6	.0	10	13.8	480	4600	1700
19...	1145	15	8.0	.0	4	14.8	25	530	220
FEB.									
09...	1015	11	7.3	.0	--	10.2	35	170	190
24...	0945	10	7.7	.0	15	12.6	4	14	400
MAR.									
15...	1030	14	8.0	9.5	15	11.0	30	73	88
29...	1120	10	8.0	7.0	20	12.2	5	30	60
APR.									
11...	1130	12	8.0	16.0	35	8.1	53	200	92
20...	0900	10	7.7	10.0	45	8.0	260	500	540
MAY									
02...	1300	229	7.7	13.0	750	7.5	46990	39990	239900
23...	1320	37	7.9	21.5	75	7.0	6300	32990	2000
JUNE									
06...	0925	23	7.7	24.0	55	6.4	1400	4000	1800
21...	1345	15	7.8	21.0	75	7.8	9000	42990	18990
JULY									
25...	1115	6.3	7.9	26.0	25	6.8	12990	47990	4000
AUG.									
08...	1245	7.3	8.0	24.0	30	10.4	100	1900	5200
SEP.									
11...	0845	--	--	--	--	5.4	--	--	--
25...	1045	5.5	7.6	19.0	25	6.7	370	730	550

06803180 MIDDLE CREEK AT LINCOLN, NEBR.

LOCATION.--Lat 40°48'17", long 96°45'00", in NE¼SE¼ sec.28, T.10 N., R.6 E., Lancaster County, at bridge on Coddington Street 0.7 mile south of U.S. Highway 34 on west edge of Lincoln.

DRAINAGE AREA.--98.0 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1971 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS- CHARGE (CFS) (00060)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)	DIS- SOLVED MAG- NE- SIUM (MG) (MG/L) (00925)	DIS- SOLVED SODIUM (NA) (MG/L) (00930)	DIS- SOLVED PO- TAS- SIUM (K) (MG/L) (00935)	BICAR- BONATE (HCO3) (MG/L) (00440)	CAR- BONATE (CO3) (MG/L) (00445)	DIS- SOLVED SULFATE (SO4) (MG/L) (00945)	DIS- SOLVED CHLO- RIDE (CL) (MG/L) (00940)
OCT.											
27...	4.8	120	580	75	17	270	18	386	0	79	330
NOV.											
24...	3.5	30	880	80	19	250	8.6	390	0	93	310
DEC.											
21...	3.0	10	1200	88	19	270	8.0	431	0	99	330
JAN.											
19...	3.0	20	1100	89	20	290	11	438	0	110	340
FEB.											
24...	1.9	30	1700	81	19	240	7.4	386	0	110	300
MAR.											
28...	2.2	30	1300	78	19	270	7.2	397	0	91	310
APR.											
20...	14	40	1500	70	18	89	12	358	0	51	73
MAY											
02...	21	40	340	46	10	48	14	178	0	52	58
JUNE											
06...	14	10	140	72	19	98	11	320	0	66	120

06803180 MIDDLE CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT. 27...	.6	.70	2.7	2.1	1.4	.58	1.2	.93	1020	1020	240
NOV. 24...	.3	.13	1.8	.84	.71	1.0	.52	.38	1080	1100	160
DEC. 21...	.5	.44	1.9	1.0	.56	.93	.38	.28	1080	1060	380
JAN. 19...	.0	.42	1.8	.94	.52	.87	.41	.22	1120	1140	150
FEB. 24...	.4	.53	2.4	1.4	.87	.96	.38	.19	1070	1080	296
MAR. 28...	.5	.81	1.6	1.3	.49	.25	.58	.34	1070	1070	196
APR. 20...	.5	.18	1.3	.80	.62	.45	.52	.24	444	656	152
MAY 02...	.4	1.2	3.3	1.8	.60	1.5	1.1	.17	372	378	94
JUNE 06...	.6	.56	1.2	.76	.20	.47	.24	.22	560	596	176

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 27...	1.39	13.2	960	220	260	0	7.3	1840	100	7.1	0
NOV. 24...	1.47	10.2	1100	220	280	0	6.5	1720	20	2.5	0
DEC. 21...	1.47	8.78	1070	280	300	0	6.8	1970	20	2.1	1
JAN. 19...	1.52	9.07	1120	230	300	0	7.2	1940	40	3.0	0
FEB. 24...	1.46	5.49	1040	88	280	0	6.2	1660	20	3.0	0
MAR. 28...	1.46	6.41	1110	248	270	0	7.1	1690	20	3.0	0
APR. 20...	.60	16.8	724	232	250	0	2.5	867	30	5.7	0
MAY 02...	.51	21.1	1710	230	160	10	1.7	561	70	4.6	0
JUNE 06...	.76	21.2	664	220	260	0	2.7	976	10	1.9	0

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 27...	1130	4.8	7.0	14.0	15	4.0	229900	1399000	169900
NOV. 24...	1045	3.5	7.9	3.5	8	11.3	920	21990	8200
DEC. 21...	1115	3.0	8.0	.0	9	12.6	2800	14990	7000
JAN. 19...	1115	3.0	8.1	.5	7	13.4	220	4500	4000
FEB. 24...	1030	1.9	7.7	.5	10	13.8	350	1600	2300
MAR. 28...	0920	2.2	7.9	5.0	10	15.7	410	2100	5100
APR. 20...	1000	14	7.8	9.0	65	7.4	2000	18990	51990
MAY 02...	1515	21	7.5	13.0	480	9.2	20990	25990	399900
JUNE 06...	1040	14	7.9	24.5	25	7.6	1400	25990	1300

06803190 SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'03", long 96°42'03", in NE¼SE¼ sec.14, T.10 N., R.6 E., Lancaster County, at bridge at 14th Street at Lincoln, 0.3 mile upstream from confluence with Oak Creek and 2.1 miles downstream from Middle Creek.

DRAINAGE AREA.--411 sq mi.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV.												
01...	66	--	20	80	39	11	340	8.2	161	0	110	500
23...	37	--	20	400	85	30	1700	12	301	0	340	2300
DEC.												
22...	30	--	10	460	110	36	1600	13	380	0	370	2400
JAN.												
20...	30	--	40	500	120	41	1700	15	393	0	380	2500
FEB.												
24...	33	--	20	620	100	38	1900	12	344	0	400	2700
MAR.												
28...	24	--	10	810	100	37	1700	11	374	0	360	2500
APR.												
19...	69	--	200	640	46	14	540	12	201	0	130	740
MAY												
03...	178	--	30	210	65	18	310	15	241	0	110	430
JUNE												
06...	60	--	20	110	88	29	940	12	341	0	240	1400
SEP.												
12...	29	--	--	--	--	--	--	--	--	--	--	--
25...	25	18	--	--	110	43	2200	14	370	0	440	3400

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
NOV.												
01...	.4	.53	2.2	1.2	.67	1.0	.79	.39	--	1110	1160	150
23...	.6	.94	2.9	1.9	.96	1.0	.62	.35	--	4580	4720	720
DEC.												
22...	.6	.11	1.1	.55	.44	.53	.30	.25	--	4780	4800	240
JAN.												
20...	.6	.39	1.3	.84	.45	.45	.31	.20	--	4840	4960	120
FEB.												
24...	.6	.36	1.8	1.1	.74	.71	.39	.32	--	6220	6240	320
MAR.												
28...	.7	.36	.98	.78	.42	.20	.48	.37	--	5820	5820	800
APR.												
19...	.6	1.6	3.6	2.7	1.1	.86	1.6	.48	--	1840	1860	170
MAY												
03...	.4	1.1	3.1	1.6	.53	1.5	.71	.18	--	1180	1200	110
JUNE												
06...	.7	.47	1.4	.75	.28	.63	.28	.22	--	3100	3140	420
SEP.												
12...	--	--	--	--	--	--	--	--	--	--	--	--
25...	.8	.56	--	1.0	.44	.00	.48	.42	760	2420	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
NOV.											
01...	1.51	198	1220	160	140	11	12	2060	60	7.2	0
23...	6.23	458	4480	180	340	89	40	8000	50	6.0	4
DEC.											
22...	6.50	382	4740	160	420	110	34	8470	3	1.2	0
JAN.											
20...	6.58	392	5040	460	470	150	34	8690	5	2.2	2
FEB.											
24...	8.46	561	6340	980	410	120	41	9650	10	2.7	0
MAR.											
28...	7.92	377	5360	600	400	95	37	8400	10	2.2	0
APR.											
19...	2.50	343	3190	410	170	8	18	2870	100	6.0	0
MAY											
03...	1.60	567	1910	390	240	39	8.8	1970	80	3.1	0
JUNE											
06...	4.22	504	3200	640	340	59	22	5160	20	2.3	0
SEP.											
12...	--	--	--	--	--	--	--	--	--	1.5	--
25...	3.29	163	--	--	450	150	45	11200	20	1.4	--

06803190 SALT CREEK AT 14TH STREET, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
NOV.									
01...	0945	66	7.7	8.0	170	9.3	119900	219900	139900
23...	1445	37	8.0	5.0	80	10.1	3700	9000	12990
DEC.									
22...	1400	30	8.2	3.0	8	15.4	140	2400	890
JAN.									
20...	0945	30	7.9	.5	8	12.3	150	2000	600
FEB.									
24...	1310	33	7.4	4.5	10	14.2	450	5000	190
MAR.									
28...	1030	24	8.0	7.0	9	14.0	460	1100	520
APR.									
19...	1100	69	7.6	10.0	500	6.7	6000	15990	19990
MAY									
03...	1315	178	7.9	17.0	230	7.7	9700	17990	31990
JUNE									
06...	1345	60	7.8	30.5	30	9.0	570	1700	1000
SEP.									
12...	0730	29	--	--	--	5.0	--	--	--
25...	1230	25	8.0	22.0	5	13.8	1000	5000	1400

06803300 ANTELOPE CREEK AT 27TH STREET, AT LINCOLN, NEBR.

LOCATION.--Lat 40°48'10", long 96°40'56", in NE¼SE¼ sec.25, T.10 N., R.6 E., Lancaster County, at bridge at 27th and Alpha Streets at Lincoln.

DRAINAGE AREA.--10.6 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1971 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
OCT.												
27...	14	40	40	14	2.4	7.0	4.3	59	0	10	6.5	.3
NOV.												
24...	.18	100	220	37	7.2	86	6.1	164	0	29	120	.3
DEC.												
21...	.02	10	710	98	21	140	11	359	0	130	180	.9
MAR.												
23...	.20	30	440	34	6.0	72	7.5	161	0	34	82	.6
APR.												
19...	6.5	100	110	20	3.9	16	4.7	93	0	22	15	.4
MAY												
04...	1.2	20	220	91	23	57	12	357	0	120	39	.5
JUNE												
06...	.27	30	220	70	15	54	9.7	234	0	110	39	.8

06803300 ANTELOPE CREEK AT 27TH STREET, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLEABLE RESIDUE (MG/L) (00535)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)	DISSOLVED SOLIDS (TONS PER DAY) (70302)
OCT. 27...	.74	1.2	.85	.11	.32	.53	.36	90	90	26	.12	3.40
NOV. 24...	.41	.64	.64	.23	.00	.42	.21	432	454	98	.59	.21
DEC. 21...	.36	1.3	.69	.33	.56	.30	.23	760	780	112	1.03	.04
MAR. 23...	1.1	1.9	1.3	.22	.60	.53	.20	378	382	106	.51	.20
APR. 19...	1.7	4.0	2.5	.83	1.5	1.2	.44	204	216	60	.28	3.58
MAY 04...	.98	2.9	1.3	.32	1.6	.56	.38	588	628	216	.80	1.91
JUNE 06...	.35	.81	.54	.19	.27	.32	.25	466	486	132	.63	.34

DATE	TOTAL RESIDUE (MG/L) (00500)	LOSS ON IGNITION (MG/L) (00505)	HARDNESS (CA,MG) (MG/L) (00900)	NON-CARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	COLOR (PLATINUM-COBALT UNITS) (00080)	BIOCHEMICAL OXYGEN DEMAND (MG/L) (00310)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	HEXAVALENT CHROMIUM (CR6) (UG/L) (01032)
OCT. 27...	122	50	45	0	.5	135	80	6.7	--	0	0
NOV. 24...	678	162	120	0	3.4	716	200	8.6	--	0	0
DEC. 21...	796	184	330	37	3.3	1330	10	1.9	--	0	1
MAR. 23...	568	158	110	0	3.0	575	200	6.9	.00	0	0
APR. 19...	1900	264	66	0	.9	238	200	6.8	--	0	0
MAY 04...	672	208	320	29	1.4	856	20	2.2	--	0	0
JUNE 06...	486	140	240	45	1.5	704	20	2.5	--	0	0

FIELD DETERMINATIONS

DATE	TIME	DISCHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	IMMEDIATE COLIFORM (COL. PER 100 ML) (31501)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
OCT. 27...	0900	14	7.0	14.0	60	8.5	9999	19990	47990
NOV. 24...	1345	.18	7.8	4.0	120	9.6	2500	5400	8600
DEC. 21...	0930	.02	7.5	.0	10	12.3	62	830	2000
FEB. 24...	0830	.01	--	.0	--	--	23	1900	260
MAR. 23...	1210	.20	7.6	6.5	120	6.8	530	1100	4300
APR. 19...	0900	6.5	7.7	8.5	650	9.8	5200	8500	19990
MAY 04...	0940	1.2	7.8	12.5	20	8.6	1400	26990	1500
JUNE 06...	0840	.27	7.5	22.0	6	5.4	2800	20990	7800

06803405 ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR.

LOCATION.--Lat 40°49'44", long 96°41'58", in SW¼SW¼ sec.13, T.10 N., R.6 E., Lancaster County, at bridge on Court Street at Lincoln, 0.1 mile upstream from confluence with Salt Creek.

DRAINAGE AREA.--12.4 sq mi.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV.												
01...	67	--	40	40	16	2.6	34	3.9	88	0	18	38
23...	9.4	--	80	150	55	12	330	7.4	193	0	95	520
DEC.												
21...	1.6	--	10	180	120	33	1400	14	267	0	300	2100
JAN.												
20...	1.1	--	20	190	130	37	1500	16	275	0	340	2400
FEB.												
24...	1.3	--	40	130	120	36	1600	13	268	0	330	2300
MAR.												
28...	1.0	--	30	130	110	33	1300	12	248	0	300	1900
APR.												
19...	8.4	--	60	100	35	7.7	200	5.6	112	0	62	280
MAY												
03...	2.0	--	10	100	110	26	750	17	264	16	230	1200
JUNE												
06...	3.6	--	20	80	93	21	430	13	235	0	220	600
SEP.												
27...	1.2	30	--	--	110	32	1300	12	255	0	300	2000

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
NOV.												
01...	.2	.47	1.1	.74	.27	.36	.43	.25	--	198	212	50
23...	.6	1.1	1.7	1.7	.56	--	1.1	.72	--	1220	--	--
DEC.												
21...	1.3	.20	4.2	.41	.21	3.8	2.0	2.0	--	4200	4240	440
JAN.												
20...	.6	2.1	6.7	2.3	.24	4.4	.34	.30	--	4560	4580	720
FEB.												
24...	.6	.41	5.3	.66	.25	4.6	.48	.47	--	5160	5240	180
MAR.												
28...	.8	.15	4.3	.36	.21	3.9	.44	.39	--	4380	5240	1380
APR.												
19...	.4	1.2	3.7	2.0	.78	1.7	.95	.28	--	756	764	72
MAY												
03...	.6	.28	3.7	.61	.33	3.1	.97	.82	--	2740	2860	1140
JUNE												
06...	1.1	.41	1.6	.61	.20	1.0	.63	.56	--	1550	1620	280
SEP.												
27...	.7	.81	--	1.0	.19	.00	.43	.50	300	4200	--	--

06803405 ANTELOPE CREEK AT COURT STREET, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
NOV. 01...	.27	36.0	216	64	51	0	2.1	293	80	12	1	0
23...	1.66	31.0	--	400	190	28	11	2040	40	8.0	4	0
DEC. 21...	5.71	17.6	4080	280	440	220	29	7660	3	3.5	0	2
JAN. 20...	6.20	13.8	4740	360	480	250	30	8140	3	1.5	--	0
FEB. 24...	7.02	18.1	5080	280	450	230	33	8050	3	2.6	0	0
MAR. 28...	5.96	12.3	4380	720	410	210	28	6810	7	1.4	0	0
APR. 19...	1.03	17.1	1800	352	120	27	8.0	1240	70	5.7	1	0
MAY 03...	3.73	14.8	2620	800	380	140	17	4450	10	4.8	0	0
JUNE 06...	2.11	15.1	1620	310	320	130	10	2630	0	2.0	0	0
SEP. 27...	5.71	13.6	--	--	410	200	28	7020	5	2.9	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
NOV. 01...	0900	67	7.5	8.0	80	10.2	7200	22990	48990
23...	1345	9.4	8.1	7.5	170	8.6	360	37990	20990
DEC. 21...	1415	1.6	8.2	8.0	10	15.6	150	8500	840
JAN. 20...	0915	1.1	7.7	5.0	5	10.7	10	250	220
FEB. 24...	1345	1.3	7.8	10.5	8	14.2	7	1200	63
MAR. 28...	1000	1.0	8.0	8.0	10	15.1	3	270	43
APR. 19...	1000	8.4	7.8	10.5	400	9.7	3300	3600	12990
MAY 03...	1500	2.0	8.6	20.5	15	9.1	200	8400	2800
JUNE 06...	1430	3.6	8.3	28.5	5	17.2	130	13990	3400
SEP. 27...	1110	1.2	7.9	16.0	5	16.2	230	18590	750

06803480 OAK CREEK ABOVE AIR BASE, NEAR LINCOLN, NEBR.

LOCATION.--Lat 40°52'47", long 96°46'35", in SW¼NW¼ sec.32, T.11 N., R.6 E., Lancaster County, at bridge on U.S. Highway 34, 4 miles northwest of corporate boundary of Lincoln.

DRAINAGE AREA.--208 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1971 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 28...	9.5	20	320	100	25	500	11	393	0	170	640
NOV. 24...	8.5	10	640	100	26	500	9.9	398	0	160	680
DEC. 21...	9.3	20	880	110	28	600	11	427	0	200	840
JAN. 19...	5.4	30	1300	120	29	680	14	448	0	240	940
FEB. 24...	11	20	1900	100	24	490	9.3	377	0	150	690
MAR. 23...	11	20	1300	91	22	300	8.7	375	0	130	410
APR. 20...	8.4	40	1700	96	25	550	9.7	378	0	160	740
MAY 03...	25	30	690	59	14	180	15	203	0	87	270
JUNE 06...	15	20	330	100	25	430	11	390	0	150	580

06803480 OAK CREEK ABOVE AIR BASE, NEAR LINCOLN, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT. 28...	.5	.48	.68	.55	.07	.13	.32	.23	1630	1630	130
NOV. 24...	.3	.08	.72	.37	.29	.35	.24	.19	2180	2240	340
DEC. 21...	.5	.32	.60	.47	.15	.13	.19	.17	2080	2160	680
JAN. 19...	.0	.17	.97	.66	.49	.31	.25	.08	2360	2380	500
FEB. 24...	.5	.56	1.7	1.2	.64	.45	.27	.14	2040	2100	180
MAR. 23...	.5	.66	.79	.75	.09	.04	.29	.17	1330	1370	260
APR. 20...	.5	.11	.63	.49	.38	.14	.47	.19	2180	2240	80
MAY 03...	.4	1.2	3.6	2.1	.93	1.5	.85	.12	768	772	116
JUNE 06...	.5	.47	1.6	.77	.30	.83	.34	.27	1560	1590	300

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 28...	2.22	41.7	1750	240	350	30	12	2930	7	1.8	0
NOV. 24...	2.96	50.0	2180	400	360	34	12	3020	5	1.0	0
DEC. 21...	2.83	52.3	1940	260	390	40	13	3670	5	2.1	0
JAN. 19...	3.21	34.4	2400	280	420	52	14	3960	60	2.7	0
FEB. 24...	2.77	61.1	2260	320	350	39	11	3030	20	3.0	0
MAR. 23...	1.81	40.6	1300	350	320	10	7.3	2120	3	2.2	0
APR. 20...	2.96	49.4	2160	280	340	33	13	3080	20	3.2	0
MAY 03...	1.04	52.7	1860	408	200	38	5.5	1370	60	3.2	0
JUNE 06...	2.12	63.2	1730	320	350	33	10	2740	20	2.1	0

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 28...	0915	9.5	7.1	8.0	4	9.3	250	2200	860
NOV. 24...	0945	8.5	8.1	1.5	3	15.6	32	360	270
DEC. 21...	1230	9.3	7.7	.0	8	18.2	5	110	160
JAN. 19...	1000	5.4	8.0	.0	3	10.3	6	150	220
FEB. 24...	1115	11	7.5	.0	20	12.8	4	20	200
MAR. 23...	1045	11	8.2	7.5	10	13.6	13	20	120
APR. 20...	1100	8.4	8.0	9.0	20	10.2	200	200	1500
MAY 03...	1120	25	7.8	13.5	430	7.9	28990	44990	99990
JUNE 06...	1125	15	7.9	26.5	30	9.5	670	3800	600

06803493 OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'10", long 96°42'03", in SE¼NE¼ sec.14, T.10 N., R.6 E., Lancaster County, at bridge at 14th Street at Lincoln, 0.2 mile upstream from confluence with Salt Creek.

DRAINAGE AREA.--256 sq mi.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV.												
01...	30	--	30	150	39	10	410	8.7	163	0	83	610
23...	18	--	20	580	100	31	1400	13	424	0	250	2100
DEC.												
22...	14	--	20	860	110	33	1600	14	468	0	330	2400
JAN.												
20...	11	--	20	1200	140	42	1900	19	528	0	380	2800
FEB.												
24...	12	--	20	1400	100	31	1300	12	429	0	280	1900
MAR.												
28...	12	--	10	1600	100	31	1500	13	431	0	270	2000
APR.												
19...	44	--	60	1100	82	24	910	13	351	0	180	1200
MAY												
03...	47	--	50	570	66	16	440	10	220	0	110	680
JUNE												
06...	20	--	40	450	110	30	1100	14	418	0	240	1600
SEP.												
25...	13	17	--	--	94	28	1400	14	393	0	260	2100

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
NOV.												
01...	.4	.77	1.7	1.2	.43	.46	.78	.43	--	1210	1260	280
23...	.6	.00	1.2	1.0	1.0	.18	.32	.23	--	4240	4340	160
DEC.												
22...	.6	.10	.47	.38	.28	.09	.23	.15	--	4700	4780	140
JAN.												
20...	.6	.64	1.3	1.1	.46	.16	.16	.05	--	5540	5610	344
FEB.												
24...	.5	.38	1.3	.96	.58	.36	.18	.12	--	4680	4820	580
MAR.												
28...	.6	.37	.78	.76	.39	.02	.33	.20	--	4840	4840	380
APR.												
19...	.5	.40	1.1	.76	.36	.30	.50	.26	--	2940	3000	240
MAY												
03...	.5	.87	3.2	1.8	.93	1.4	.51	.16	--	1680	1690	430
JUNE												
06...	.7	.38	1.4	.87	.49	.55	.33	.24	--	3400	3500	360
SEP.												
25...	.6	.83	--	1.2	.37	.00	.38	.57	530	4480	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
NOV.											
01...	1.65	98.0	1450	140	140	5	15	2450	50	5.5	0
23...	5.77	205	4640	260	380	30	31	7400	10	2.5	0
DEC.											
22...	6.39	178	4660	460	410	27	34	8360	3	2.0	0
JAN.											
20...	7.53	169	5690	172	520	89	36	9870	10	1.8	0
FEB.											
24...	6.36	152	4500	620	380	25	29	6900	10	2.1	0
MAR.											
28...	6.58	157	4600	1000	380	24	34	7420	20	3.0	0
APR.											
19...	4.00	349	3080	420	300	16	23	4950	40	7.7	0
MAY											
03...	2.28	215	2050	270	230	50	13	2730	70	2.4	0
JUNE											
06...	4.62	185	3540	440	400	55	24	5930	20	2.0	0
SEP.											
25...	6.09	157	--	--	350	28	33	7310	30	3.2	--

06803498 OAK CREEK AT 14TH STREET, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
NOV.									
01...	1030	39	7.7	8.0	280	9.7	14990	149900	59990
23...	1545	18	8.0	4.5	10	10.4	100	330	650
DEC.									
22...	1430	14	7.7	3.0	7	10.8	27	240	190
JAN.									
20...	1030	11	7.6	.5	7	12.2	44	360	110
FEB.									
24...	1230	12	7.8	.0	8	10.2	3	18	100
MAR.									
28...	1110	12	7.9	6.0	18	11.2	14	280	16
APR.									
19...	1200	44	8.1	12.5	50	8.4	2000	8000	19990
MAY									
03...	1330	47	8.0	15.5	220	8.1	99990	79990	99990
JUNE									
06...	1300	20	8.0	28.0	35	10.3	600	1800	600
SEP.									
25...	1310	13	7.7	20.5	35	6.8	330	5000	790

06803500 SALT CREEK AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'49", long 96°40'54", in NW¼SW¼ sec.7, T.10 N., R.7 E., Lancaster County, at gaging station at bridge on North 27th Street at north edge of Lincoln, 1 mile downstream from Oak Creek.

DRAINAGE AREA.--684 sq mi.

PERIOD OF RECORD.--Chemical analyses: October 1968 to September 1972.
Water temperatures: May to September 1951, October 1968 to September 1972.
Sediment records: March to September 1951, March 1952 to September 1954.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 10,120 micromhos Oct. 2; minimum daily, 533 micromhos May 1.
Water temperatures: Maximum, 32.0°C June 6, 9, July 24, Aug. 19, 21; minimum, freezing point Dec. 26.

Period of record:
Specific conductance: Maximum daily, 11,200 micromhos July 2, 30, 1970; minimum daily, 326 micromhos Mar. 18, 1969.
Water temperatures (1968-72): Maximum, 36°C July 12, 1969; minimum, freezing point on several days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
30...	420	--	--	30	100	34	8.4	270	6.9	133	0	140
NOV.												
27...	102	--	--	30	290	94	28	1200	15	373	0	280
DEC.												
22...	87	--	--	60	470	93	30	1300	16	211	0	320
JAN.												
18...	85	--	--	40	320	100	32	1400	20	424	0	320
FEB.												
23...	93	--	--	40	630	91	26	1200	14	368	0	270
MAR.												
21...	79	--	--	50	830	76	23	900	13	313	0	44
APR.												
20...	122	--	--	80	540	82	23	780	16	383	0	220
MAY												
01...	2540	--	--	110	310	24	5.6	65	12	126	0	38
JUNE												
08...	94	20	10	90	170	87	26	840	17	362	0	260
JULY												
26...	197	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	154	--	--	--	--	--	--	--	--	--	--	--
SEP.												
26...	72	25	10	130	100	95	24	790	15	401	0	310

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 30...	360	.5	1.4	2.5	1.7	.31	--	--	--	.79	.50	230
NOV. 27...	1700	.7	.20	7.1	5.7	5.5	--	--	1.4	2.5	2.5	550
DEC. 22...	1900	.8	2.1	9.0	7.5	5.4	--	--	1.5	3.6	2.9	540
JAN. 18...	2000	.5	2.8	11	11	8.2	--	--	.25	4.7	4.3	590
FEB. 23...	1600	.7	.80	7.2	6.2	5.4	--	--	.95	3.0	2.7	430
MAR. 21...	1400	.8	1.8	5.5	4.9	3.1	--	--	.64	2.9	2.8	460
APR. 20...	1000	.9	.00	9.3	7.9	8.0	--	--	1.4	6.1	5.4	440
MAY 01...	76	.4	3.7	6.8	5.3	1.6	--	--	1.5	3.4	.30	130
JUNE 08...	1200	1.0	.10	8.6	7.9	7.8	.04	.64	.68	--	.01	470
JULY 26...	800	--	.20	--	1.3	1.1	--	--	.65	1.4	.61	--
AUG. 08...	1100	--	.40	--	1.4	1.0	--	--	3.8	1.1	.68	--
SEP. 26...	1600	1.1	7.5	15	15	7.5	.00	.00	.00	10	5.2	600

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
OCT. 30...	804	--	--	--	1.09	912	--	156	120	10	11
NOV. 27...	4020	4060	360	--	5.47	1110	3960	700	350	44	28
DEC. 22...	4180	4260	900	--	5.68	982	3900	440	360	180	30
JAN. 18...	4180	4240	580	--	5.68	959	4200	800	380	34	31
FEB. 23...	3780	3820	1180	--	5.14	950	3820	140	330	32	29
MAR. 21...	3060	3080	680	--	4.16	654	3120	200	280	28	23
APR. 20...	2780	2880	320	--	3.78	916	2600	760	300	18	20
MAY 01...	318	308	48	--	.43	2180	4050	830	83	0	3.1
JUNE 08...	--	--	--	2650	3.60	673	--	--	320	27	20
JULY 26...	1660	--	--	--	2.26	883	--	--	--	--	--
AUG. 08...	2460	--	--	--	3.35	1020	--	--	--	--	--
SEP. 26...	--	--	--	3070	4.18	597	--	--	340	7	19

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
OCT. 30...	1540	80	6.0	--	--	--	--	--	--	0	--
NOV. 27...	6230	20	6.0	--	--	--	--	--	--	0	--
DEC. 22...	7100	20	8.6	--	--	--	--	--	--	0	--
JAN. 18...	7490	20	18	--	--	--	--	--	--	0	--
FEB. 23...	6030	20	12	--	--	--	--	--	--	0	--
MAR. 21...	5070	40	11	--	--	--	--	--	--	0	--
APR. 20...	4000	30	18	--	--	--	--	--	--	0	--
MAY 01...	522	200	14	--	--	--	--	--	--	0	--
JUNE 08...	4920	20	15	.01	.02	2	0	0	0	0	1
JULY 26...	3180	--	9.9	--	--	--	--	--	--	--	--
AUG. 08...	3970	--	5.3	--	--	--	-	--	--	--	--
SEP. 26...	4410	40	19	.06	.17	4	0	0	2	0	0

DATE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
JUNE 08...	6	2	100	21	3	21	7	0	880	8.6	30
JULY 26...	--	--	--	--	--	--	--	--	--	--	--
AUG. 08...	--	--	--	--	--	--	--	--	--	--	--
SEP. 26...	50	4	90	3.6	3	32	14	0	1100	13	80

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 30...	1230	420	8.1	7.0	210	9.2	129900	629900	109900
NOV. 27...	1145	102	7.9	8.0	15	9.4	469900	3899000	85990
DEC. 22...	1315	87	7.4	9.5	15	13.1	189900	1899000	14990
JAN. 18...	1515	85	7.8	7.0	20	11.8	249900	1099000	129900
FEB. 23...	1215	93	7.6	7.5	10	12.4	169900	1099000	65990
MAR. 21...	0900	79	7.8	10.0	30	7.0	209900	999900	169900
APR. 20...	1145	122	7.4	12.5	35	6.9	539900	829900	289900
MAY 01...	1400	2540	7.4	14.0	1800	4.6	129900	389900	769900
JUNE 08...	0915	94	7.7	22.5	15	8.0	669900	3099000	23990
JULY 26...	1025	197	7.4	24.5	65	2.5	759900	2999000	519900
AUG. 08...	1120	154	7.6	22.0	170	4.0	539900	1199000	129900
SEP. 26...	1145	72	7.9	20.0	20	7.9	2799000	7999000	329900

06803500 SALT CREEK AT LINCOLN, NEBR.--Continued

✓ SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	8330	2990	6180	6120	7130	5280	6240	533	4780	7240	6530	7170
2	10120	3500	6580	6400	6920	5680	6900	1250	4560	7250	7300	6550
3	8900	4730	6890	5990	7070	5300	6390	2420	5320	6860	5820	7480
4	9140	6170	6700	7330	6990	6770	6500	3120	4760	7180	7540	7820
5	8780	6680	6890	7480	6820	6170	6440	3680	4380	7160	7670	7350
6	9660	6860	6440	7010	6880	6900	7660	1730	5210	7490	8010	7870
7	9210	7040	6500	6980	6890	5550	6380	1080	5670	7520	7620	7040
8	8850	7560	6500	6950	6750	6300	6020	2100	5890	6740	4750	7710
9	8940	7320	7190	6810	6750	5920	6850	2740	5830	2520	7250	7660
10	9210	7150	6260	6370	6820	6360	6140	2790	787	2540	7380	7900
11	9240	7210	6500	6400	6750	7060	6500	3180	3840	4360	7250	7250
12	8980	7290	7580	6330	7110	6300	6680	1560	5660	4300	7280	2680
13	9380	7490	6860	6660	7320	5970	6130	818	6700	2930	7910	6870
14	9210	7540	6770	7220	7320	6040	6730	1860	4250	2690	7420	7000
15	9060	7400	6690	7140	6720	6080	6550	2310	5910	2710	7500	7150
16	8580	6970	6470	8450	6600	6100	6270	2820	4430	8020	7430	6300
17	8650	1940	7110	7650	5550	6770	6800	3270	4510	7020	7110	6880
18	9460	2920	7170	6890	5170	5990	6800	3960	4850	7440	7730	6620
19	7620	4440	6740	7220	5940	6240	4740	4460	2100	7240	8210	6980
20	7240	5510	6520	6750	6180	6160	4380	4590	3680	6880	9040	3870
21	7790	6440	6850	7060	5590	5550	2870	4820	5560	8380	7270	6350
22	7650	6620	6850	6980	5290	6110	3110	5290	6380	7640	8530	7140
23	7980	6140	6730	6700	6040	6200	4410	4380	6580	9420	8230	7430
24	8830	6530	6630	6490	5880	6110	4880	3590	7020	8430	7970	7790
25	8540	7180	7050	6740	5770	6540	5510	3850	7380	8610	2930	7280
26	8250	5750	7010	7470	6980	7020	3310	4530	6590	5420	4540	7680
27	5480	7110	7270	7250	5970	6570	1710	1930	6880	6560	6280	8100
28	6120	6830	6960	7380	7170	6250	2080	2220	6640	7460	6560	7880
29	3260	6170	7080	6770	6430	6470	2800	2660	6950	7680	6890	6120
30	2290	6020	5820	7580	---	6600	4050	3540	6910	8170	5320	8170
31	3790	---	5940	7070	---	6420	---	4260	---	7930	7040	---
MONTH	7890	6120	6730	6960	6510	6220	5390	2940	5330	6500	7030	7010

✓ TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.5	9.0	6.5	4.5	5.5	3.5	14.5	13.5	25.5	29.0	25.5	19.0
2	22.0	10.0	6.5	3.5	3.5	5.5	12.0	12.0	30.0	21.0	28.0	22.0
3	21.0	10.0	6.5	2.0	3.5	8.0	11.0	18.0	28.0	25.5	25.5	20.0
4	21.0	13.5	6.5	0.5	4.5	6.5	14.5	20.0	26.5	22.0	28.0	24.5
5	21.0	10.0	5.5	3.5	4.5	9.0	20.0	21.0	31.0	28.0	26.5	25.5
6	22.0	9.0	8.0	5.0	3.0	13.5	20.0	13.5	32.0	25.5	25.5	25.5
7	21.0	9.0	8.0	5.5	4.5	10.0	13.5	12.0	31.0	26.5	29.0	24.5
8	18.0	10.0	4.5	6.5	3.5	11.0	10.0	15.5	31.0	28.0	28.0	25.5
9	18.0	12.0	4.5	6.0	3.5	11.0	15.5	15.5	32.0	26.5	24.5	21.0
10	20.0	13.5	8.0	6.5	3.5	13.5	19.0	13.5	20.0	24.5	27.0	26.5
11	20.0	13.5	8.0	5.5	4.5	18.0	19.0	15.5	21.0	25.5	28.5	25.5
12	20.0	13.5	3.5	3.5	5.5	11.0	20.0	15.5	26.5	26.5	29.5	26.5
13	20.0	15.5	4.5	2.0	4.5	12.0	19.0	14.5	24.5	25.5	31.0	26.5
14	20.0	14.5	6.5	2.0	5.5	14.5	11.0	14.5	25.5	24.5	31.0	26.5
15	21.0	15.5	8.0	4.5	6.5	15.5	15.5	22.0	30.0	26.5	31.0	26.5
16	22.0	15.5	6.5	4.5	8.0	14.5	21.0	25.5	22.0	29.0	30.0	26.5
17	20.0	10.0	4.5	5.5	4.5	14.5	20.0	26.5	25.5	24.5	31.0	28.0
18	20.0	6.5	6.5	4.5	4.5	13.5	21.0	26.5	24.5	25.5	31.0	29.0
19	19.0	8.0	4.5	4.5	8.0	18.5	12.0	24.5	28.0	29.0	32.0	26.5
20	16.5	6.5	8.0	3.5	10.0	14.5	11.0	28.0	21.0	29.0	30.0	21.0
21	19.0	8.0	6.5	3.5	3.5	14.5	11.0	24.5	16.5	30.0	32.0	22.0
22	16.5	8.0	6.5	6.5	4.5	15.5	16.5	26.5	16.5	26.5	25.5	21.0
23	18.0	8.0	5.5	3.5	10.0	14.5	15.5	24.5	25.5	29.0	25.5	21.0
24	19.0	10.0	6.0	2.0	6.5	10.0	15.5	24.5	24.5	32.0	21.0	22.0
25	20.0	8.0	6.0	2.0	5.5	11.0	14.5	25.5	28.0	28.0	19.0	20.0
26	20.0	6.5	0.0	2.0	9.0	16.5	9.0	25.5	26.5	31.5	25.5	20.0
27	15.5	6.5	3.5	2.0	12.0	12.0	10.0	23.5	28.0	23.5	26.5	21.0
28	10.0	2.0	5.5	4.5	13.5	11.0	12.0	22.0	26.5	21.0	29.0	18.0
29	8.0	4.5	4.5	5.5	14.5	12.0	16.5	22.0	30.0	21.0	29.0	14.5
30	6.5	4.5	4.5	5.5	---	12.0	19.0	21.0	31.0	25.5	21.0	20.0
31	10.0	---	4.5	5.5	---	10.0	---	25.5	---	24.5	22.0	---
MONTH	18.5	9.5	5.5	4.0	6.0	12.0	15.5	20.5	26.5	26.5	27.5	23.5

S

06803503 DEAD MANS RUN AT HIGHWAY 6, AT LINCOLN, NEBR.

LOCATION.--Lat 40°50'33", long 96°40'40", in SW¼SW¼ sec.7, T.10 N., R.7 E., Lancaster County, at bridge on Cornhusker Highway (U.S. Highway 6), 0.23 mile east of 27th Street at Lincoln.

DRAINAGE AREA.--9.46 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1971 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 28...	2.2	20	250	61	15	58	7.9	203	0	100	53
NOV. 24...	.89	30	390	61	12	110	6.2	220	0	75	130
DEC. 21...	.80	10	640	96	24	75	7.9	379	0	130	49
JAN. 18...	.84	0	250	87	21	72	11	350	0	130	47
FEB. 23...	.63	10	410	82	18	78	8.1	312	0	120	57
MAR. 23...	.72	10	380	74	17	75	8.2	310	0	110	55
APR. 18...	1.0	20	230	78	18	81	9.0	276	0	130	69
MAY 03...	2.6	10	120	92	23	65	11	342	0	120	52
JUNE 06...	1.4	20	150	72	19	72	8.5	264	0	130	58

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT. 28...	.6	.65	2.4	1.5	.85	.91	.47	.37	428	438	134
NOV. 24...	.4	.27	2.4	1.2	.93	1.2	.46	.32	644	672	100
DEC. 21...	.6	1.2	4.4	2.1	.94	2.3	.49	.44	612	624	212
JAN. 18...	.2	.80	5.1	3.5	2.7	1.6	.40	.32	572	584	176
FEB. 23...	.7	.30	2.9	1.4	1.1	1.5	.34	.30	580	592	156
MAR. 23...	.6	.40	3.3	1.7	1.3	1.6	.46	.35	548	552	188
APR. 18...	.7	.35	1.7	.74	.39	.99	.41	.27	636	648	168
MAY 03...	.4	.46	4.4	1.1	.64	3.3	.38	.26	596	656	236
JUNE 06...	.6	.89	1.5	1.1	.21	.42	.17	.16	518	522	114

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 28...	.58	2.56	436	124	210	48	1.7	692	30	3.8	0
NOV. 24...	.88	1.55	772	164	200	21	3.4	893	20	8.0	0
DEC. 21...	.83	1.32	596	168	340	28	1.8	996	7	3.1	1
JAN. 18...	.78	1.30	600	168	300	17	1.8	930	5	3.1	0
FEB. 23...	.79	.99	602	130	280	23	2.0	885	20	1.5	0
MAR. 23...	.75	1.07	580	180	250	1	2.0	827	0	1.7	0
APR. 18...	.87	1.72	596	140	270	42	2.2	836	20	2.2	0
MAY 03...	.81	4.26	656	180	320	44	1.6	891	10	1.6	0
JUNE 06...	.70	2.03	526	118	260	41	2.0	787	10	2.4	0

06803503 DEAD MANS RUN AT HIGHWAY 6, AT LINCOLN, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT.									
28...	1030	2.2	6.8	8.5	30	9.1	10990	31990	52990
NOV.									
24...	0845	.89	7.5	3.0	90	8.6	3000	27990	52990
DEC.									
21...	1330	.80	7.7	2.5	8	10.5	420	4600	73990
JAN.									
18...	1430	.84	7.4	4.5	10	11.5	190	1600	19990
FEB.									
23...	1345	.63	7.1	9.0	8	13.2	3	100	450
MAR.									
23...	1130	.72	6.6	9.0	10	13.1	27	230	240
APR.									
18...	1200	1.0	7.6	19.0	50	9.7	180	800	520
MAY									
03...	1245	2.6	7.7	15.0	55	7.3	660	3500	59990
JUNE									
06...	1530	1.4	8.1	31.5	3	13.0	730	10990	3600

06803510 LITTLE SALT CREEK NEAR LINCOLN, NEBR.

LOCATION.--Lat 40°53'38", long 96°40'52", in NW¼SW¼ sec.30, T.11 N., R.7 E., Lancaster County, at gaging station at county road bridge 1.6 miles north of intersection of Interstate Highway 80 and North 14th Street north of Lincoln.

DRAINAGE AREA.--43.6 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT.											
30...	13	60	170	90	23	1500	26	258	0	880	2000
NOV.											
27...	3.8	20	520	150	52	3300	22	516	0	1100	4500
DEC.											
23...	3.4	10	580	150	51	3400	26	496	0	1100	4600
JAN.											
20...	1.9	20	670	160	52	3300	28	538	0	1100	4700
FEB.											
23...	3.1	20	1300	140	41	2900	19	488	0	840	3700
MAR.											
21...	4.6	20	1200	140	52	3100	23	501	0	960	4100
APR.											
20...	6.1	70	1100	130	41	2100	11	382	0	710	2700
MAY											
10...	15	50	760	110	33	1200	20	401	0	410	1600
JUNE											
07...	3.6	30	340	110	42	2300	25	398	0	770	3300

06803510 LITTLE SALT CREEK NEAR LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT. 30...	.6	1.3	2.9	2.3	1.0	.63	.97	.49	4200	4320	420
NOV. 27...	.8	.00	2.0	1.6	1.6	.35	.22	.20	11000	11400	700
DEC. 23...	.9	.12	1.5	1.1	.98	.39	.17	.13	9380	9500	840
JAN. 20...	.9	.50	2.4	2.0	1.5	.44	.13	.08	9660	9800	1160
FEB. 23...	.8	.00	2.1	1.7	1.7	.40	.16	.14	8220	8220	880
MAR. 21...	.9	.74	1.4	1.3	.56	.09	.40	.29	8800	8840	1100
APR. 20...	.7	.20	2.1	1.5	1.3	.62	.58	.31	6540	6640	260
MAY 10...	.7	.35	2.6	1.2	.85	1.4	.30	.22	3550	3570	204
JUNE 07...	.9	.20	.90	.49	.29	.41	.14	.14	7000	7100	340

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 30...	5.71	147	4500	240	320	110	37	7660	40	2.2	0
NOV. 27...	15.0	113	10700	350	590	170	59	15800	10	1.2	0
DEC. 23...	12.8	86.1	9560	320	580	180	61	16100	3	2.1	0
JAN. 20...	13.1	49.6	9700	620	610	170	58	16200	5	2.5	0
FEB. 23...	11.2	60.8	8240	380	520	120	55	13500	20	1.9	0
MAR. 21...	12.0	109	8580	640	560	150	57	14500	7	3.0	0
APR. 20...	8.89	108	6960	300	490	180	41	10200	60	5.8	0
MAY 10...	4.83	144	3650	210	410	82	26	6050	20	1.7	0
JUNE 07...	9.52	68.0	7200	280	450	120	47	11600	10	1.7	0

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 30...	1115	13	8.1	6.5	360	10.0	9999	10990	28990
NOV. 27...	1045	3.8	8.4	3.0	3	18.3	150	1600	2000
DEC. 23...	1045	3.4	7.8	5.0	3	19.4	35	140	900
JAN. 20...	1230	1.9	8.3	.5	4	18.0	8	40	520
FEB. 23...	1100	3.1	7.7	4.0	4	16.5	1	4	420
MAR. 21...	1000	4.6	8.2	9.0	10	13.7	130	210	840
APR. 20...	1545	6.1	8.1	10.0	40	10.8	2000	8000	22990
MAY 10...	1100	15	7.8	12.0	35	9.4	730	2700	2600
JUNE 07...	1515	3.5	8.4	32.5	7	12.2	200	200	720

06803523 STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR.

LOCATION.--Lat 40°52'38", long 96°36'16", in NW¼SW¼ sec.35, T.11 N., R.7 E., Lancaster County, at bridge on U.S. Highway 6 about 1.1 miles northeast of Lincoln, upstream from drainage of sewage lagoon, and about 1.7 miles upstream from confluence with Salt Creek.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

REMARKS.--Records of discharge are given for Stevens Creek near Lincoln (sta 06803520).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 28...	5.0	--	20	530	78	19	47	8.6	359	0	60	23
NOV. 27...	2.5	--	20	370	79	19	44	8.2	340	0	72	19
DEC. 23...	1.8	--	10	570	89	23	57	4.9	394	0	85	29
JAN. 19...	2.4	--	10	570	94	25	54	7.9	428	0	94	20
FEB. 22...	2.3	--	20	730	72	17	42	5.6	309	0	56	17
MAR. 21...	2.8	--	10	770	75	21	60	5.7	352	0	75	35
APR. 20...	5.4	--	20	950	63	19	54	6.5	321	0	69	24
MAY 10...	15	--	50	410	81	22	59	10	356	0	91	19
JUNE 07...	3.6	--	30	880	85	22	46	6.2	389	0	72	17
SEP. 26...	.87	23	--	--	78	20	54	7.3	354	0	63	43

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT. 28...	.4	.50	.87	.65	.15	.22	.50	.38	--	426	440	168
NOV. 27...	.3	.34	2.0	.80	.46	1.2	.49	.40	--	492	520	156
DEC. 23...	.5	.25	1.8	.52	.27	1.3	.35	.29	--	490	506	136
JAN. 19...	.0	.64	2.2	1.0	.36	1.2	.35	.26	--	536	548	212
FEB. 22...	.4	.50	2.3	.92	.42	1.4	.32	.28	--	434	438	152
MAR. 21...	.5	.64	.94	.75	.11	.19	.33	.20	--	464	474	164
APR. 20...	.4	.45	1.4	1.0	.55	.42	.41	.19	--	468	478	130
MAY 10...	.5	.44	2.5	.76	.32	1.7	.35	.21	--	518	532	152
JUNE 07...	.5	.17	1.8	.72	.55	1.1	.36	.36	--	490	496	168
SEP. 26...	.4	1.0	--	1.4	.38	.00	.62	.64	120	496	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 28...	.58	5.75	450	154	270	0	1.2	710	30	4.6	0
NOV. 27...	.67	3.32	522	128	280	0	1.2	694	20	1.2	0
DEC. 23...	.67	2.38	486	154	320	0	1.4	787	10	1.0	0
JAN. 19...	.73	3.47	560	212	340	0	1.3	863	20	2.5	0
FEB. 22...	.59	2.72	436	120	250	0	1.2	620	40	1.6	0
MAR. 21...	.63	3.53	484	148	270	0	1.6	678	5	2.8	0
APR. 20...	.64	6.82	516	156	240	0	1.5	654	20	5.2	0
MAY 10...	.70	21.0	624	120	290	1	1.5	736	20	2.6	0
JUNE 07...	.67	4.76	544	148	300	0	1.2	738	20	2.2	0
SEP. 26...	.67	1.17	--	--	280	0	1.4	710	20	2.3	--

06803523 STEVENS CREEK AT HIGHWAY 6, NEAR LINCOLN, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 28...	1145	5.0	7.5	11.0	15	7.5	950	2600	6300
NOV. 27...	1300	2.5	8.1	3.0	15	11.5	310	1000	1600
DEC. 23...	1215	1.8	7.8	2.0	6	13.2	3500	23990	2000
JAN. 19...	1430	2.4	8.3	.5	7	14.3	8200	68990	5300
FEB. 22...	1315	2.3	7.5	.5	8	13.6	1100	13990	16990
MAR. 21...	1150	2.8	8.3	10.0	15	10.9	2000	11990	720
APR. 20...	1630	5.4	7.9	11.0	35	9.1	2400	20990	18990
MAY 10...	1330	15	8.0	12.0	35	9.7	2800	6700	1900
JUNE 07...	1400	3.6	8.0	28.5	25	6.7	1800	10990	1500
SEP. 26...	0920	.07	8.1	14.0	20	8.0	1300	3200	1100

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.

LOCATION.--Lat 40°54'18", long 96°35'09", in NW¼SW¼ sec.24, T.11 N., R.7 E., Lancaster County, at bridge 0.5 mile north of Interstate Highway 80 and 3 miles southwest of Waverly.

DRAINAGE AREA.--815 sq mi.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
07...	52	29	300	160	520	92	30	1600	19	412	0	390
26...	55	--	--	--	--	100	32	1400	18	374	0	390
NOV.												
10...	68	28	200	40	250	97	31	1500	17	384	0	380
23...	86	--	--	--	--	93	28	1300	18	378	0	360
DEC.												
07...	86	26	100	50	240	92	29	1300	16	388	0	340
22...	78	--	--	--	--	99	30	1300	18	414	0	360
JAN.												
12...	89	25	0	40	340	100	35	1200	15	394	0	340
18...	76	--	--	--	--	100	32	1600	21	411	0	380
FEB.												
08...	62	30	100	80	650	110	32	1500	17	446	0	400
22...	75	--	--	--	--	90	26	1200	15	372	0	310
MAR.												
16...	76	--	--	--	--	99	29	1400	17	382	0	360
29...	66	21	100	40	700	92	30	1400	17	383	0	360
APR.												
11...	67	22	100	60	600	97	32	1500	17	392	0	370
18...	71	--	--	--	--	98	32	1400	16	391	0	350
MAY												
09...	295	--	--	--	--	77	22	870	17	292	0	160
23...	391	9.8	80	50	360	43	12	320	8.6	172	0	110
JUNE												
07...	119	--	--	30	120	96	28	970	15	366	0	290
21...	130	22	80	40	16	82	24	850	15	316	0	240
JULY												
25...	73	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	266	--	--	--	--	--	--	--	--	--	--	--
SEP.												
06...	93	--	--	--	--	--	--	--	--	--	--	--
27...	62	26	--	--	--	90	29	1500	18	396	0	380

06803555 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)
OCT.												
07...	2100	.2	.40	9.1	8.9	8.5	.21	7.9	3.3	--	4800	5240
26...	1800	1.4	.80	9.0	8.6	7.8	.42	8.3	8.0	--	4520	4720
NOV.												
10...	2000	1.1	.00	7.5	6.4	8.3	1.1	4.7	4.1	--	4580	4680
23...	1900	1.1	1.4	10	8.9	7.5	1.3	5.6	5.1	--	4100	4200
DEC.												
07...	1800	.8	1.9	8.5	7.6	5.7	.87	5.2	5.0	--	3820	3900
22...	1900	1.0	2.0	8.5	8.1	6.1	.40	4.4	4.1	--	3900	4000
JAN.												
12...	1800	.8	.60	7.3	6.5	5.9	.75	1.1	.75	--	4000	4100
18...	2300	.6	1.7	9.1	8.3	6.6	.82	5.4	5.2	--	4440	4540
FEB.												
08...	2100	1.0	2.1	11	10	7.9	.77	6.6	5.9	--	4500	4560
22...	1600	.9	.30	8.8	7.9	7.6	.88	4.8	4.7	--	3780	3800
MAR.												
16...	1900	1.0	1.1	7.2	6.8	5.7	.38	4.8	4.7	--	4180	4200
29...	1900	1.2	.00	8.5	7.8	7.8	.69	5.3	4.8	--	4520	4560
APR.												
11...	2000	1.2	.10	7.7	7.5	7.4	.16	6.3	6.2	--	4400	4300
18...	1900	.9	.20	6.0	5.5	5.3	.47	5.4	5.2	--	4180	4280
MAY												
09...	640	.6	.60	3.7	2.3	1.7	1.4	1.2	.85	--	1840	1860
23...	410	.4	.60	2.1	2.0	1.4	.08	1.8	.79	--	1050	1070
JUNE												
07...	1400	.9	.00	4.5	3.8	3.8	.73	2.9	2.7	--	3320	3360
21...	1200	.7	.00	3.8	2.2	3.3	1.6	2.8	2.4	--	2920	3000
JULY												
25...	2100	--	.30	--	6.0	5.7	.13	8.4	3.1	--	4460	--
AUG.												
08...	520	--	.20	--	1.8	1.6	.24	1.8	1.3	--	1220	--
SEP.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
27...	2000	1.1	.60	--	7.5	6.9	.00	8.0	7.7	770	4620	--

DATE	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	PHENOLS (UG/L) (32730)
OCT.												
07...	1080	6.53	675	5000	1000	350	15	37	8200	30	10	30
26...	600	6.15	671	4740	860	380	75	31	8020	30	6.7	--
NOV.												
10...	320	6.23	846	4700	1460	370	55	34	7650	30	7.7	25
23...	360	5.58	956	4020	780	350	37	30	6940	20	7.3	--
DEC.												
07...	540	5.20	890	3900	300	350	31	30	6840	30	6.1	90
22...	940	5.30	821	3980	20	370	31	29	7390	20	14	--
JAN.												
12...	480	5.44	961	4020	360	390	71	26	6750	20	5.4	0
18...	720	6.04	911	4500	420	380	44	36	7940	20	16	--
FEB.												
08...	220	6.12	753	4560	300	410	41	32	8020	20	17	63
22...	980	5.14	765	3960	300	330	27	29	6130	20	13	--
MAR.												
16...	340	5.68	858	4120	220	370	53	32	7290	20	8.6	--
29...	700	6.15	807	4360	500	350	39	32	6990	20	10	98
APR.												
11...	380	5.98	796	4320	300	370	52	34	7340	40	6.3	20
18...	480	5.68	801	4300	360	380	56	31	6850	20	7.9	--
MAY												
09...	120	2.50	1470	1840	220	280	43	12	2770	50	3.1	--
23...	230	1.43	1110	2130	300	160	16	11	1910	20	5.4	10
JUNE												
07...	560	4.52	1070	3400	180	350	55	22	5380	20	3.9	--
21...	260	3.97	1030	3240	380	300	44	21	4680	40	>5.4	80
JULY												
25...	--	6.07	879	--	--	--	--	--	7470	--	5.6	--
AUG.												
08...	--	1.66	876	--	--	--	--	--	2050	--	9.3	--
SEP.												
06...	--	--	--	--	--	--	--	--	--	--	10	--
27...	--	6.28	773	--	--	340	19	35	7590	20	7.5	--

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	CYANIDE (CN) (MG/L) (00720)	METHYLENE BLUE ACTIVE SUBSTANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	CHLORDANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-AZINON (UG/L) (39570)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)
OCT.												
07...	.01	.02	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	.01	.02	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	.00	.19	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	.00	.01	.00	.0	.01	.00	.01	--	.01	.00	.00	.00
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	.00	.31	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
16...	--	--	--	--	--	--	--	--	--	--	--	--
29...	.01	.17	--	--	--	--	--	--	--	--	--	--
APR.												
11...	.01	.23	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
23...	.02	.00	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	--	--	--	--	--	--	--	--	--	--	--	--
21...	.03	.00	--	--	--	--	--	--	--	--	--	--
JULY												
25...	--	--	.00	.0	.00	.00	.00	.26	.01	.00	.00	.00
AUG.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--

DATE	LINDANE (UG/L) (39340)	MALA-THION (UG/L) (39530)	METHYL PARA-THION (UG/L) (39600)	PARA-THION (UG/L) (39540)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COPPER (CU) (UG/L) (01040)
OCT.												
07...	--	--	--	--	--	--	--	2	200	1	0	10
26...	--	--	--	--	--	--	--	--	--	--	0	--
NOV.												
10...	--	--	--	--	--	--	--	0	100	0	0	76
23...	--	--	--	--	--	--	--	--	--	--	0	--
DEC.												
07...	--	--	--	--	--	--	--	4	200	1	5	4
22...	--	--	--	--	--	--	--	--	--	--	0	--
JAN.												
12...	.04	--	--	--	.08	.02	.09	0	100	1	0	3
18...	--	--	--	--	--	--	--	--	--	--	0	--
FEB.												
08...	--	--	--	--	--	--	--	5	200	0	1	6
22...	--	--	--	--	--	--	--	--	--	--	0	--
MAR.												
16...	--	--	--	--	--	--	--	--	--	--	0	--
29...	--	--	--	--	--	--	--	5	0	3	0	20
APR.												
11...	--	--	--	--	--	--	--	10	0	2	0	4
18...	--	--	--	--	--	--	--	--	--	--	0	--
MAY												
09...	--	--	--	--	--	--	--	--	--	--	0	--
23...	--	--	--	--	--	--	--	2	0	2	0	20
JUNE												
07...	--	--	--	--	--	--	--	--	--	--	0	--
21...	--	--	--	--	--	--	--	4	0	2	0	7
JULY												
25...	.09	.11	.00	.03	.65	.03	.03	--	--	--	--	--
AUG.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
06...	--	--	--	--	--	--	--	--	--	--	--	--
27...	--	--	--	--	--	--	--	--	--	--	--	--

06803525 SALT CREEK BELOW STEVENS CREEK, NEAR WAVERLY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS- SOLVED LEAD (PB) (UG/L) (01049)	DIS- SOLVED MERCURY (HG) (UG/L) (71890)	DIS- SOLVED SELE- NIUM (SE) (UG/L) (01145)	DIS- SOLVED ZINC (ZN) (UG/L) (01090)
OCT.				
07...	4	.2	2	20
NOV.				
10...	0	.2	8	80
DEC.				
07...	3	.7	6	40
JAN.				
12...	7	1.9	4	20
FEB.				
08...	2	.2	4	40
MAR.				
29...	6	.0	0	90
APR.				
11...	2	.3	7	50
MAY				
23...	0	.0	8	40
JUNE				
21...	2	.1	7	40

FIELD DETERMINATIONS

DATE	TIME	DIS- CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER- ATURE (DEG C) (00010)	TUR- BID- ITY (JTU) (00070)	DIS- SOLVED OXYGEN (MG/L) (00300)	FECAL COLI- FORM (COL. PER 100 ML) (31616)	IMME- DIATE COLI- FORM (COL. PER 100 ML) (31501)	STREP- TOCOCCI (COL- ONIES PER 100 ML) (31679)
OCT.									
07...	1020	52	7.4	13.5	10	3.0	650000	1400000	88000
26...	1145	55	7.0	17.0	4	5.7	889900	5799000	49990
NOV.									
10...	1100	68	7.0	8.0	10	6.6	139900	609900	60990
23...	1145	86	7.8	4.0	15	7.9	139900	389900	83990
DEC.									
07...	1030	86	7.7	5.0	20	7.0	299900	419900	70990
22...	1130	78	7.4	3.0	20	7.9	949900	1199000	98990
JAN.									
12...	1100	89	7.5	3.5	15	8.7	89990	819900	81999
18...	0945	76	7.8	.0	15	7.7	299900	959900	119900
FEB.									
08...	1230	62	7.4	.0	20	7.9	189900	999900	99990
22...	1230	75	7.5	.5	10	9.8	69990	239900	25990
MAR.									
16...	1250	76	7.9	11.0	10	9.4	9300	199900	24990
29...	1015	66	7.7	5.0	15	8.1	40990	599900	32990
APR.									
11...	1015	67	7.8	14.0	15	5.0	209900	819900	83990
18...	1100	71	7.8	17.5	15	5.8	67990	479900	17990
MAY									
09...	1445	295	7.8	16.0	120	6.9	45990	219900	9999
23...	1045	391	7.5	19.0	260	2.9	229900	1899000	95990
JUNE									
07...	0920	119	7.7	24.0	35	4.0	99990	529900	11990
21...	1130	130	7.7	18.5	150	5.4	179900	549900	34990
JULY									
25...	1015	73	7.8	24.5	10	4.2	1099000	2699000	269900
AUG.									
08...	1020	266	7.3	21.5	200	.0	769900	5499000	159900
SEP.									
06...	1900	--	--	--	--	4.6	--	--	--
27...	1020	62	8.1	15.0	10	3.6	749900	7199000	80990

06803530 ROCK CREEK NEAR CERESCO, NEBR.

LOCATION.--Lat 41°00'56", long 96°33'30", in NE¼NE¼ sec.17, T.12 N., R.8 E., Lancaster County, at gaging station at county road bridge 5.7 miles southeast of Ceresco.

DRAINAGE AREA.--119 sq mi.

PERIOD OF RECORD.--Chemical analyses: April 1970 to September 1972.
Water temperatures: April 1970 to September 1972.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 3,180 micromhos Mar. 18; minimum daily, 332 micromhos June 10.
Water temperatures: Maximum, 35.0°C Aug. 19; minimum, freezing point on many days during November to April.

Period of record:
Specific conductance: Maximum daily, 3,180 micromhos July 8, 1970; minimum daily, 332 micromhos June 10, 1972.
Water temperatures: Maximum, 39.5°C July 17, 1970; minimum, freezing point on many days during winter period.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
30...	15	--	--	20	140	61	14	210	10	225	0	150
NOV.												
27...	8.4	--	--	20	440	90	21	260	8.1	322	0	180
DEC.												
23...	7.9	--	--	20	720	82	18	240	6.6	335	0	150
JAN.												
20...	5.0	--	--	10	720	86	19	180	9.2	353	0	120
FEB.												
23...	8.7	--	--	20	1100	76	17	180	7.4	312	0	120
MAR.												
21...	12	--	--	20	1900	95	26	360	9.5	356	0	240
APR.												
20...	11	--	--	30	1200	100	31	470	9.9	320	0	290
MAY												
10...	26	24	100	30	780	82	25	190	9.8	332	0	160
JUNE												
07...	12	--	--	20	230	79	23	170	8.6	352	0	120
JULY												
26...	9.5	--	--	--	--	--	--	--	--	295	0	--
AUG.												
29...	5.2	--	--	--	--	--	--	--	--	312	0	--
SEP.												
26...	6.9	29	20	20	170	73	18	170	9.0	317	0	120

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE (N) (MG/L) (00613)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)
OCT.											
30...	250	.3	.18	1.7	1.0	.82	--	--	.68	.84	.44
NOV.											
27...	310	.3	.31	1.2	.58	.27	--	--	.58	.40	.33
DEC.											
23...	250	.5	.24	.83	.33	.09	--	--	.50	.33	.26
JAN.											
20...	190	.4	.63	1.3	.78	.15	--	--	.56	.30	.26
FEB.											
23...	200	.4	.41	1.7	.86	.45	--	--	.83	.36	.27
MAR.											
21...	470	.6	1.2	1.3	1.2	.03	--	--	.10	.46	.26
APR.											
20...	580	.5	.43	.56	.55	.12	--	--	.01	.36	.24
MAY											
10...	220	.5	.51	4.1	.98	.47	.00	3.1	3.1	--	.26
JUNE											
07...	190	.6	.65	1.5	.82	.17	--	--	.63	.32	.28
JULY											
26...	--	--	.73	--	.95	.22	--	--	.06	--	.31
AUG.											
29...	--	--	.00	--	.15	.15	--	--	.21	--	.40
SEP.											
26...	200	.5	.62	.79	.79	.17	.02	.00	.00	.63	.38

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)
OCT. 30...	--	856	864	128	--	1.16	34.7	868	140	210	25
NOV. 27...	--	1190	1210	212	--	1.62	27.0	1240	180	310	47
DEC. 23...	--	924	932	116	--	1.26	18.5	956	140	280	4
JAN. 20...	--	796	832	208	--	1.08	10.7	844	184	290	3
FEB. 23...	--	860	1480	756	--	1.17	20.2	960	184	260	4
MAR. 21...	--	1560	1590	290	--	2.12	50.5	1580	390	340	52
APR. 20...	--	1950	2020	220	--	2.65	57.9	1880	250	380	110
MAY 10...	210	--	--	--	885	1.20	62.1	--	--	310	35
JUNE 07...	--	812	836	212	--	1.10	26.3	912	216	290	3
JULY 26...	--	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--	--
SEP. 26...	270	--	--	--	777	1.06	14.5	--	--	260	0

DATE	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COBALT (CO) (UG/L) (01035)
OCT. 30...	6.3	1440	40	3.0	--	--	--	--	--	0	--
NOV. 27...	6.4	1790	30	2.0	--	--	--	--	--	0	--
DEC. 23...	6.3	1550	5	2.0	--	--	--	--	--	0	--
JAN. 20...	4.6	1320	10	2.2	--	--	--	--	--	0	--
FEB. 23...	4.9	1350	40	1.8	--	--	--	--	--	0	--
MAR. 21...	8.4	2390	20	3.4	--	--	--	--	--	0	--
APR. 20...	11	2830	20	3.4	--	--	--	--	--	0	--
MAY 10...	4.7	1420	20	.8	.00	2	0	0	0	0	2
JUNE 07...	4.3	1330	20	1.9	--	--	--	--	--	0	--
JULY 26...	--	1460	--	--	--	--	--	--	--	--	--
AUG. 29...	--	1190	--	--	--	--	--	--	--	--	--
SEP. 26...	4.6	1350	70	1.8	.00	30	0	0	2	0	1

DATE	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
MAY 10...	20	3	20	.0	0	13	0	0	640	6.0	50
JUNE 07...	--	--	--	--	--	--	--	--	--	--	--
JULY 26...	--	--	--	--	--	--	--	--	--	--	--
AUG. 29...	--	--	--	--	--	--	--	--	--	--	--
SEP. 26...	20	4	50	.3	4	6	6	0	530	4.2	30

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 30...	1000	15	7.5	5.0	160	10.7	18990	--	25990
NOV. 27...	0915	8.4	8.3	.0	30	12.6	670	3200	5200
DEC. 23...	0915	7.4	7.4	.0	20	12.6	300	2700	4500
JAN. 20...	1345	5.0	8.1	.5	15	15.0	25	480	1500
FEB. 23...	0945	8.7	7.2	.5	15	12.2	28	240	800
MAR. 21...	1100	12	8.3	8.0	40	10.6	360	830	800
APR. 20...	1430	11	8.3	10.5	15	12.6	3100	3200	5500
MAY 10...	1000	26	7.8	12.5	50	9.2	2200	22990	6200
JUNE 07...	1300	12	8.0	27.0	30	9.9	500	530	300
SEP. 26...	1030	6.9	7.9	13.0	75	8.4	3500	14990	2100

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)
APR. 27...	1025	8.0	123	1330	442	25	32	57	100

SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	1070	1080	1820	1500	1360	1370	1520	414	1320	1210	1270	1200
2	1090	1260	1790	1660	1260	1430	1600	968	1320	1180	1200	1340
3	1090	1170	1690	1720	1220	1220	1670	1300	1300	1230	1220	1260
4	1080	1180	1760	1730	1260	1430	1540	1460	1330	1200	1210	1180
5	1080	1140	1840	1740	1270	1260	1580	1530	1260	1280	1280	1190
6	1060	1180	1860	1630	1280	1200	1590	379	1270	1290	1360	1190
7	1060	1290	2050	1520	1280	1340	1570	800	1270	1350	1320	1210
8	1080	1210	1930	2110	1300	1650	1480	1180	1260	1320	1530	1240
9	1090	1190	1740	1610	1330	1770	1550	1370	1220	1300	1400	1250
10	1090	1250	1540	1580	1320	1450	1530	1410	232	1360	1320	1400
11	1080	1220	2160	1580	1270	1650	1490	1440	572	1400	1320	1550
12	1070	1220	2070	1580	1320	1710	1520	861	1070	1280	1260	1160
13	1060	1260	1730	1680	1320	1930	1480	802	929	1230	1250	1140
14	1050	1230	1640	2350	1580	1940	1390	1230	785	1250	1240	1260
15	1070	1210	1550	1720	1370	2010	1360	1430	1000	1270	1220	1160
16	1230	1240	1590	1580	1120	1910	2250	1460	1150	1230	1260	1130
17	2090	1500	1690	1440	1070	2000	1970	1460	1260	1240	1260	1200
18	2950	1140	1370	1460	1030	3150	1630	1460	1260	1280	1320	1200
19	1640	1300	1410	1480	946	2660	2680	1400	428	1240	1340	1230
20	1120	1350	1510	1340	1040	2180	2600	1380	638	1240	1390	1590
21	1190	1260	1560	1440	1110	2530	1920	1380	939	1240	1410	682
22	1120	1260	1430	1400	1190	2110	2090	1340	1170	1250	1360	1100
23	1170	1330	1490	1430	1280	1990	2030	1590	1200	1250	1340	1200
24	1230	1490	1740	1340	1200	1860	1940	711	1200	1450	1580	1220
25	1190	1480	1780	1690	1280	1820	1770	1060	1200	1320	994	1200
26	1180	1570	1820	2080	1300	1860	1980	403	1180	1460	1310	1270
27	1860	1750	1880	1740	1260	1820	1380	766	1170	1120	1360	1330
28	1010	1630	1580	1650	1140	1740	1380	630	1200	1150	1120	1250
29	1050	1710	1480	2530	1260	1600	1370	497	1200	1200	1170	1200
30	1220	1880	1650	1510	----	1640	1840	1080	1210	1200	1140	1290
31	1050	----	1320	1300	----	1730	----	1260	----	1200	1260	----
MONTH	1240	1330	1690	1650	1240	1800	1720	1110	1080	1270	1280	1230

06803530 ROCK CREEK NEAR CERESCO, NEBR.--Continued

✓ TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	24.0	7.0	2.0	1.0	0.0	0.0	6.5	14.5	19.5	21.0	26.5	15.5
2	22.0	9.5	1.0	0.0	0.0	1.0	8.5	7.0	18.0	21.0	29.5	20.5
3	24.5	6.5	3.5	0.0	0.0	2.0	10.0	18.0	28.0	24.0	26.0	24.0
4	27.0	9.5	1.0	0.0	1.5	0.5	14.5	20.0	25.5	18.5	32.0	26.5
5	19.0	0.0	2.0	0.0	0.0	2.0	19.0	15.0	26.5	21.0	29.0	24.5
6	31.5	4.0	4.0	0.0	0.0	4.5	26.5	4.0	32.0	26.0	25.5	25.5
7	20.0	1.0	3.5	0.5	0.0	4.5	11.0	10.0	29.5	26.0	26.5	25.5
8	26.5	3.5	0.0	1.5	0.0	3.5	0.0	15.5	31.0	29.5	26.5	19.0
9	13.5	4.5	0.5	3.0	0.0	9.0	5.5	14.5	34.5	30.5	21.0	26.5
10	15.5	7.0	1.0	1.0	0.5	4.5	20.0	14.5	24.5	28.0	26.5	26.0
11	26.5	15.5	2.0	1.0	0.0	14.5	19.0	13.5	15.5	26.5	29.5	26.0
12	15.0	7.0	0.5	0.0	1.0	3.0	19.0	15.0	30.0	28.5	35.0	21.0
13	16.5	10.0	0.0	0.0	1.0	10.0	18.0	7.0	28.5	32.0	33.5	14.5
14	18.5	8.5	0.0	0.0	1.5	12.0	14.5	14.5	26.5	26.5	31.5	25.5
15	16.0	7.0	0.0	0.0	1.0	15.5	15.5	26.0	30.0	29.0	32.0	25.5
16	26.5	9.0	1.0	0.0	2.0	5.0	21.0	26.5	18.5	26.5	31.0	28.5
17	24.0	6.5	0.5	4.5	1.5	5.0	21.0	26.5	26.5	24.5	32.0	26.5
18	21.0	5.5	1.5	0.5	1.0	4.5	4.5	26.5	26.0	28.0	31.0	29.0
19	26.5	5.0	0.5	0.0	2.0	9.0	10.0	15.0	25.5	28.0	32.0	28.0
20	13.5	8.0	1.0	0.0	2.0	13.5	18.5	28.0	24.5	30.5	32.0	21.0
21	24.0	13.5	0.0	0.0	1.0	14.5	9.5	15.5	17.0	30.0	24.0	26.5
22	14.5	3.5	2.0	0.0	0.0	15.5	23.5	26.5	19.0	29.5	23.5	21.0
23	21.0	3.5	3.5	0.0	4.5	13.5	12.0	22.0	26.5	29.0	26.5	19.0
24	16.5	15.5	4.5	0.0	1.0	5.5	15.5	22.0	22.0	28.5	23.0	21.0
25	25.5	8.0	2.0	0.0	1.5	8.0	9.5	26.5	26.5	30.5	22.0	21.0
26	21.0	4.5	0.0	0.0	1.0	19.0	2.0	23.5	25.5	27.0	32.0	15.0
27	15.5	0.5	0.0	0.0	2.0	5.5	1.5	23.5	26.0	24.0	21.0	19.0
28	9.0	0.0	0.0	0.0	4.5	9.5	5.5	17.0	26.0	24.5	31.5	16.5
29	5.5	0.0	1.0	0.0	2.0	9.5	10.0	10.5	20.5	29.0	28.5	13.5
30	0.5	1.5	0.5	0.0	---	9.5	19.0	22.0	23.0	24.0	21.0	21.0
31	10.0	---	1.0	3.5	---	5.5	---	24.5	---	19.0	22.0	---
MONTH	19.0	6.0	1.5	0.5	1.0	7.5	12.5	18.5	25.0	26.5	28.0	22.5

06803555 SALT CREEK AT GREENWOOD, NEBR.

LOCATION.--Lat 40°57'56", long 96°27'01", at center of sec.31, T.12 N., R.9 E., Cass County, at gaging station at county road bridge 0.5 mile west of Greenwood.

DRAINAGE AREA.--1,051 sq mi.

PERIOD OF RECORD.--Chemical analyses: July 1971 to September 1972 (discontinued).
Sediment records: October 1971 to September 1972.

EXTREMES.--1971-72:
Sediment concentrations: Maximum daily, 9,400 mg/l May 1; minimum daily, 5 mg/l Oct. 9.
Sediment discharge: Maximum daily, 107,000 tons May 1; minimum daily, 1.0 ton Oct. 9.

REMARKS.--Prior to July 1, sediment samples collected and analyzed by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT. 26...	83	20	400	110	34	1700	18	358	0	380	2500
NOV. 23...	114	30	250	94	28	1200	16	367	0	330	1800
DEC. 22...	104	30	470	110	32	1300	15	413	0	350	1900
JAN. 18...	133	30	420	120	34	1700	20	426	0	420	2400
FEB. 22...	119	30	640	89	26	990	14	372	0	140	1400
MAR. 22...	116	20	1100	84	25	890	14	360	0	290	1300
APR. 18...	102	40	1100	88	31	1200	16	379	0	300	1700
MAY 09...	409	30	130	70	20	340	16	286	0	180	470
JUNE 07...	124	30	90	100	27	830	15	359	0	250	1200
SEP. 07...	106	--	--	--	--	--	--	--	--	--	--

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT. 26...	.9	.50	7.5	6.9	6.4	.64	4.3	4.0	4920	5000	80
NOV. 23...	.8	1.1	8.7	7.5	6.4	1.2	3.1	2.8	3820	3900	180
DEC. 22...	.8	1.3	6.7	6.1	4.8	.57	3.4	3.2	3780	3840	660
JAN. 18...	.4	1.6	7.7	7.0	5.4	.78	3.4	3.1	4920	4940	640
FEB. 22...	.7	.20	8.3	7.2	7.0	1.1	3.3	2.9	3380	3460	420
MAR. 22...	.9	1.3	5.8	5.2	3.9	.64	3.9	3.5	4040	4100	1260
APR. 18...	.8	.10	6.5	5.3	5.2	1.2	3.5	3.1	3840	3860	260
MAY 09...	.6	.60	4.1	2.4	1.8	1.7	1.4	1.0	1320	1390	200
JUNE 07...	.8	.30	3.9	2.5	2.2	1.4	2.3	2.0	2800	2880	380
SEP. 07...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
OCT. 26...	6.69	1110	4980	720	410	120	36	8690	30	4.7	0
NOV. 23...	5.20	1180	3980	200	350	49	28	6580	20	6.3	0
DEC. 22...	5.14	1060	3840	440	410	68	28	7060	10	8.0	0
JAN. 18...	6.69	1770	4740	280	440	90	35	8570	10	5.9	0
FEB. 22...	4.60	1090	3460	160	330	24	24	5360	20	6.5	0
MAR. 22...	5.49	1270	3000	260	310	17	22	5030	20	8.8	0
APR. 18...	5.22	1060	3860	260	340	27	28	6260	20	5.7	0
MAY 09...	1.80	1460	1960	280	260	23	9.2	2160	60	2.3	0
JUNE 07...	3.81	937	3140	360	360	66	19	4650	20	3.8	0
SEP. 07...	--	--	--	--	--	--	--	--	--	5.6	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT. 26...	1100	83	7.0	15.5	5	4.6	11990	179900	10990
NOV. 23...	1045	114	7.9	2.0	20	9.7	59990	189900	20990
JAN. 18...	1045	133	7.8	.5	10	7.5	7500	99990	12990
FEB. 22...	1115	119	7.6	.0	10	10.2	7600	99990	19990
MAR. 22...	1015	116	7.9	9.5	15	9.6	2100	119900	1100
APR. 18...	1010	102	7.9	17.0	15	6.4	2100	34990	760
MAY 09...	1215	409	7.8	15.0	140	6.8	57990	509900	18990
JUNE 07...	1130	124	7.8	26.5	50	5.9	4000	84990	400
SEP. 07...	1140	--	--	--	--	4.6	--	--	--

PLATTE RIVER BASIN

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)
OCT.											
09...	1010	15.5	76	5	1.0	--	100	--	--	--	--
27...	1710	16.0	334	656	592	39	99	--	--	--	--
NOV.											
03...	1715	9.5	164	89	39	--	91	--	--	--	--
18...	1540	7.0	250	392	265	56	97	--	--	--	--
DEC.											
01...	1650	4.0	103	52	15	--	93	--	--	--	--
16...	1000	5.5	97	19	5.0	--	78	--	--	--	--
30...	1410	1.5	122	702	231	63	99	--	--	--	--
MAR.											
01...	1700	2.0	128	123	43	--	70	--	--	--	--
09...	1040	9.5	100	23	6.2	--	75	--	--	--	--
APR.											
09...	1405	8.0	116	20	6.3	--	62	--	--	--	--
23...	1450	18.0	178	300	144	--	100	--	--	--	--
MAY											
01...	0710	7.0	5670	14700		25	--	90	92	95	100
01...	1300	13.5	5180	8960		40	--	95	97	99	100
01...	1650	11.0	3430	9300	86100	37	--	98	99	100	--
02...	0710	11.0	1470	4970	19700	--	95	--	--	--	--
02...	1410	14.5	1100	3370	10000	--	95	--	--	--	--
06...	1420	9.5	2050	9760	54000	--	96	--	--	--	--
07...	0850	5.5	1260	2750	9360	--	91	--	--	--	--
14...	1120	13.0	731	2360	4660	45	96	--	--	--	--
20...	1130	19.5	731	3090	6100	46	99	--	--	--	--
29...	1140	22.0	356	3700	3560	--	99	--	--	--	--
JUNE											
01...	1110	18.5	190	401	206	--	99	--	--	--	--
11...	2020	18.5	193	3710	1930	--	100	--	--	--	--
14...	2000	24.0	320	1230	1060	54	99	--	--	--	--
17...	1210	23.0	303	593	485	--	100	--	--	--	--
JULY											
20...	1720	30.5	109	159	47	--	70	--	--	--	--
AUG.											
11...	1115	20.0	105	294	83	--	--	--	--	--	--
SEP.											
28...	1230	22.0	107	62	18	--	--	--	--	--	--

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

U.S. Corps Eng.

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	87	20	4.7	260	350	290	109	52	15
2	86	20	4.6	209	257	158	103	50	14
3	87	20	4.7	161	92	40	91	50	12
4	87	20	4.7	160	90	39	103	50	14
5	89	20	4.8	137	75	28	102	50	14
6	86	16	3.7	117	52	16	100	40	11
7	82	12	2.7	120	60	19	104	50	14
8	78	8	1.7	117	52	16	107	50	14
9	76	5	1.0	117	52	16	100	40	11
10	78	7	1.5	116	42	13	103	50	14
11	82	12	2.7	113	40	12	96	50	13
12	84	15	3.4	106	36	10	90	50	12
13	88	22	5.2	107	36	10	94	95	24
14	88	22	5.2	103	33	9.2	95	70	18
15	90	37	9.0	105	35	9.9	96	40	10
16	90	37	9.0	99	30	8.0	96	19	4.9
17	94	40	10	404	780	851	88	19	4.5
18	300	500	405	331	610	545	92	20	5.0
19	122	70	23	184	190	94	95	24	6.2
20	105	45	13	125	80	27	92	28	7.0
21	90	27	6.6	91	59	14	93	30	7.5
22	86	26	6.0	79	55	12	90	30	7.3
23	84	26	5.9	86	65	15	95	39	10
24	82	25	5.5	95	77	20	98	40	11
25	80	25	5.4	86	65	15	96	40	10
26	83	25	5.6	88	60	14	92	30	7.5
27	299	380	307	113	65	20	76	25	5.1
28	146	338	133	96	45	12	90	30	7.3
29	165	310	154	115	65	20	105	50	14
30	384	598	620	119	65	21	122	702	231
31	271	395	310	--	--	--	111	300	90
TOTAL	3749	--	2078.6	4155	--	2374.1	3022	--	638.2

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	103	100	28	109	50	15	135	123	45
2	95	52	13	109	50	15	126	76	26
3	90	50	12	107	50	14	125	66	22
4	105	50	14	105	50	14	125	80	27
5	97	50	13	103	50	14	114	78	24
6	88	50	12	100	50	14	115	76	24
7	93	50	13	100	50	14	124	76	25
8	100	50	14	97	50	13	114	50	15
9	105	50	14	96	50	13	107	23	6.6
10	118	55	18	100	50	14	107	23	6.6
11	126	60	20	103	50	14	105	22	6.2
12	115	55	17	109	50	15	101	20	5.5
13	118	55	18	107	50	14	103	30	8.3
14	115	55	17	109	50	15	107	40	12
15	120	55	18	111	55	16	104	40	11
16	124	60	20	111	55	16	101	40	12
17	128	60	21	111	55	16	104	40	11
18	133	60	22	111	55	16	121	50	16
19	128	60	21	114	55	17	109	33	9.7
20	122	60	20	118	55	18	98	30	7.9
21	124	60	20	118	55	18	115	50	16
22	128	60	21	126	60	20	111	40	12
23	131	60	21	122	50	16	99	30	8.0
24	128	60	21	111	40	12	96	27	7.0
25	111	55	16	114	17	5.2	99	27	7.2
26	105	50	14	107	37	11	96	25	6.5
27	105	50	14	107	46	13	95	20	5.1
28	107	50	14	109	40	12	97	15	3.9
29	109	50	15	126	60	20	94	10	2.5
30	109	50	15	--	--	--	99	15	4.0
31	111	55	16	--	--	--	95	20	5.1
TOTAL	3491	--	532	3170	--	424.2	3330	--	398.1

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	92	27	6.7	3860	9400	107000	231	410	256
2	94	26	6.6	1240	3970	14200	211	350	199
3	95	25	6.4	501	1250	1690	200	270	146
4	103	24	6.7	378	600	612	224	190	115
5	96	23	6.0	468	1220	2650	217	170	100
6	96	22	5.7	1700	8060	38400	190	150	77
7	89	21	5.0	1180	2640	8720	171	139	64
8	93	20	5.0	600	1050	1700	166	135	60
9	104	20	5.6	407	700	769	158	130	55
10	94	24	6.1	357	480	463	439	3120	4510
11	93	28	7.0	393	350	371	340	4320	3970
12	92	32	7.9	529	1350	3490	197	2350	1250
13	95	34	8.7	1400	6290	24700	173	880	411
14	92	36	8.9	743	2380	4770	331	1220	1090
15	97	37	9.7	472	1300	1660	219	1000	591
16	160	180	78	393	870	923	176	770	366
17	116	50	16	334	520	469	308	750	624
18	82	30	6.6	295	300	239	220	280	166
19	220	490	291	262	270	191	439	650	770
20	178	300	144	240	260	168	335	400	362
21	629	1610	3140	227	180	110	208	250	140
22	311	500	420	213	170	98	173	200	93
23	194	300	157	360	1630	1790	161	160	70
24	141	200	76	566	2650	4060	150	130	53
25	129	170	59	329	1250	1110	142	101	39
26	239	500	32	321	906	891	134	90	33
27	706	2580	5590	965	4180	10900	142	100	38
28	428	1750	2020	482	3180	4140	131	85	30
29	616	1980	3510	396	3530	3760	123	70	23
30	257	1000	694	330	1970	1760	118	63	20
31	--	--	--	263	730	518	--	--	--
TOTAL	5909	--	16335.6	20204	--	242322	6425	--	15721

06803555 SALT CREEK AT GREENWOOD, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	117	131	41	145	174	68	105	190	53
2	112	137	41	119	170	55	142	188	72
3	108	143	42	147	269	107	110	165	49
4	115	145	45	127	230	79	97	140	37
5	108	147	43	110	200	59	92	118	29
6	105	150	43	106	210	60	100	110	30
7	106	152	43	99	221	59	105	100	28
8	103	150	42	175	250	118	101	90	91
9	100	147	40	128	182	63	91	96	87
10	95	150	38	117	190	60	100	103	28
11	252	800	544	105	294	83	101	99	27
12	370	1150	1150	105	270	77	123	95	32
13	180	240	117	99	250	67	148	95	38
14	141	220	84	88	238	57	152	96	39
15	125	204	70	93	232	58	116	91	28
16	115	200	62	89	226	54	113	89	27
17	105	195	20	82	245	54	106	77	22
18	123	200	66	80	254	55	99	65	17
19	111	117	35	81	254	56	98	65	17
20	112	159	48	74	253	51	138	150	56
21	108	200	58	89	210	50	241	410	267
22	105	204	58	86	171	40	131	69	24
23	96	204	53	83	160	36	116	65	20
24	96	204	53	79	153	33	100	62	18
25	100	190	51	502	1530	2090	100	63	17
26	207	178	99	239	280	101	101	64	17
27	161	177	77	147	140	56	91	62	15
28	133	176	63	120	130	42	86	60	14
29	122	155	51	119	170	58	89	56	13
30	115	138	43	103	180	50	79	47	10
31	109	135	40	130	230	32	--	--	--
TOTAL	4053	--	3260	3865	--	4800	3379	--	1222

TOTAL DISCHARGE FOR YEAR (CFS-DAYS) 64760
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS) 290185.0

06803868 SALT CREEK ABOVE ASHLAND, NEBR.

LOCATION.--Lat 41°01'34", long 96°24'22", in NE¼NW¼ sec.10, T.12 N., R.9 E., Saunders County, at county road bridge 3 miles southwest of Ashland.

DRAINAGE AREA.--1,118 sq mi.

PERIOD OF RECORD.--Chemical analyses: March 1971 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)
OCT.												
07...	63	25	200	30	320	90	28	1300	16	358	0	340
26...	88	--	--	--	--	100	30	1400	15	348	0	340
NOV.												
10...	107	28	200	10	230	93	28	1300	16	353	0	320
23...	120	--	--	--	--	90	27	1100	14	338	0	290
DEC.												
07...	132	25	200	40	180	96	27	1100	14	361	0	310
22...	109	--	--	--	--	95	28	1100	15	396	0	300
JAN.												
12...	134	25	100	30	310	100	33	1000	13	381	0	290
18...	115	--	--	--	--	110	32	1400	19	422	0	340
FEB.												
08...	99	30	100	50	990	110	33	1400	14	443	0	370
22...	97	--	--	--	--	89	26	960	13	360	0	280
MAR.												
16...	108	--	--	--	--	97	28	1200	18	365	0	320
29...	90	21	200	20	620	100	28	1100	14	373	0	230
APR.												
11...	111	20	100	20	880	92	30	1300	15	383	0	330
18...	107	--	--	--	--	98	31	1200	14	385	0	320
MAY												
09...	438	--	--	--	--	67	19	290	18	268	0	130
23...	226	17	0	20	70	90	27	750	12	329	0	220
JUNE												
07...	180	--	--	--	--	99	29	890	13	354	0	250
21...	215	18	60	30	4	63	17	490	12	233	0	160
JULY												
25...	108	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	112	--	--	--	--	--	--	--	--	--	--	--
SEP.												
27 A.	93	24	--	--	--	86	27	1200	16	359	0	310

DATE	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	VOL. NON-SETTLE-ABLE RESIDUE (MG/L) (00535)
OCT.												
07...	1900	.5	.10	7.3	5.9	5.8	1.4	5.9	3.2	4220	4620	580
26...	2000	.9	.70	7.8	6.6	5.9	1.2	4.2	3.9	4100	4100	960
NOV.												
10...	1800	.9	.00	7.3	5.7	6.2	1.6	4.8	4.5	3700	3800	380
23...	1500	.8	.90	8.4	6.7	5.8	1.7	3.2	2.9	3380	--	300
DEC.												
07...	1400	.9	1.3	7.0	5.8	4.5	1.2	3.3	2.9	3200	3280	420
22...	1600	.9	.50	6.7	5.8	5.3	.91	4.1	4.0	3320	3360	120
JAN.												
12...	1400	.7	1.0	7.2	6.3	5.3	.85	.85	.76	3280	3320	520
18...	1900	.3	.70	8.3	7.3	6.6	--	3.6	3.4	4080	--	--
FEB.												
08...	2000	.9	2.7	11	10	7.3	1.1	3.9	3.9	4180	4220	300
22...	1400	.7	.20	6.7	5.8	5.6	.85	2.8	2.6	3440	3500	--
MAR.												
16...	1600	.8	1.6	5.5	5.0	3.4	.50	4.1	3.7	3400	3520	640
29...	1600	.9	.20	6.4	5.5	5.3	.87	4.3	3.9	4060	4120	460
APR.												
11...	1700	.8	.10	5.8	5.0	4.9	.75	5.2	4.8	3660	3740	620
18...	1700	.7	.50	5.3	4.7	4.2	.57	9.5	3.0	3840	3920	440
MAY												
09...	400	.7	.80	4.4	2.4	1.6	2.0	.95	.62	1150	1170	192
23...	1000	.5	.37	2.3	1.1	.73	1.2	1.4	1.0	2540	2600	220
JUNE												
07...	1200	.8	1.2	3.4	1.8	.65	1.6	1.8	1.6	2880	2980	400
21...	710	.6	1.6	4.6	2.4	.84	2.2	1.9	.89	1880	1930	260
JULY												
25...	2000	--	2.2	--	3.0	.76	1.4	3.1	2.5	3980	--	--
AUG.												
08...	1800	--	.20	--	2.2	2.0	1.4	3.4	2.9	3920	--	--
SEP.												
27...	1600	.9	1.3	--	5.7	4.4	.00	6.0	5.6	3760	--	--

A Also, DISSOLVED BORON (B), 60 µg/l.

06803565 SALT CREEK ABOVE ASHLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	PHENOLS (UG/L) (32730)
OCT.												
07...	5.74	718	--	4240	420	340	46	31	7240	20	6.0	5
26...	5.58	976	--	4420	380	370	88	32	7230	20	3.3	--
NOV.												
10...	5.03	1070	--	3780	560	350	58	30	6570	30	4.0	16
23...	4.60	1100	3540	3700	440	340	59	26	5800	20	6.1	--
DEC.												
07...	4.35	1140	--	3400	1400	350	55	26	5760	20	8.0	80
22...	4.52	977	--	3300	580	350	28	26	6090	10	8.1	--
JAN.												
12...	4.86	1190	--	3380	400	390	73	22	5500	20	4.9	0
18...	5.55	1270	4140	4080	--	410	60	30	7320	20	6.2	--
FEB.												
08...	5.68	1110	4220	4300	560	410	47	30	7390	10	5.6	37
22...	4.68	904	--	3480	40	330	34	23	5520	20	6.5	--
MAR.												
16...	4.62	991	--	3500	300	360	58	28	6180	20	4.5	--
29...	5.52	987	--	4000	900	360	59	25	5980	20	5.7	39
APR.												
11...	5.25	1160	--	3840	380	350	39	30	6450	20	5.3	30
18...	5.22	1110	--	3840	200	370	57	27	6370	20	6.2	--
MAY												
09...	1.56	1360	--	1700	292	250	26	8.1	1980	70	3.1	--
23...	3.45	1550	--	2700	300	340	66	18	4150	20	4.4	0
JUNE												
07...	3.92	1400	--	3100	280	370	76	20	4780	20	3.8	--
21...	2.56	1090	--	3590	560	230	36	14	2800	60	>5.8	20
JULY												
25...	5.41	1160	--	--	--	--	--	--	7240	--	3.5	--
AUG.												
08...	5.33	1190	--	--	--	--	--	--	6260	--	3.5	--
SEP.												
27...	5.11	944	--	--	--	330	31	29	6170	20	3.0	--

DATE	CYANIDE (CN) (MG/L) (00720)	METHY-LENE BLUE ACTIVE SUB-STANCE (MG/L) (38260)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)
OCT.												
07...	.03	.01	--	--	--	--	--	--	--	--	--	--
26...	--	--	--	--	--	--	--	--	--	--	--	--
NOV.												
10...	.02	.01	--	--	--	--	--	--	--	--	--	--
23...	--	--	--	--	--	--	--	--	--	--	--	--
DEC.												
07...	.00	.10	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
JAN.												
12...	.00	.01	.00	.0	.01	.00	.01	.01	.00	.00	.00	.05
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	.00	.20	--	--	--	--	--	--	--	--	--	--
22...	--	--	--	--	--	--	--	--	--	--	--	--
MAR.												
16...	--	--	--	--	--	--	--	--	--	--	--	--
29...	.00	.08	--	--	--	--	--	--	--	--	--	--
APR.												
11...	.01	.05	--	--	--	--	--	--	--	--	--	--
18...	--	--	--	--	--	--	--	--	--	--	--	--
MAY												
09...	--	--	--	--	--	--	--	--	--	--	--	--
23...	.03	.00	--	--	--	--	--	--	--	--	--	--
JUNE												
07...	--	--	--	--	--	--	--	--	--	--	--	--
21...	.06	.00	--	--	--	--	--	--	--	--	--	--
JULY												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
27...	--	--	--	--	--	--	--	--	--	--	--	--

06803565 SALT CREEK ABOVE ASHLAND, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.												
07...	--	--	--	0	100	0	0	7	3	.3	5	20
26...	--	--	--	--	--	--	0	--	--	--	--	--
NOV.												
10...	--	--	--	2	200	0	0	9	0	.2	6	60
23...	--	--	--	--	--	--	0	--	--	--	--	--
DEC.												
07...	--	--	--	4	100	2	0	5	3	.3	2	40
22...	--	--	--	--	--	--	1	--	--	--	--	--
JAN.												
12...	.03	.01	.00	0	0	1	0	3	8	1.6	5	20
18...	--	--	--	--	--	--	--	--	--	--	--	--
FEB.												
08...	--	--	--	10	0	0	0	5	2	.3	6	20
22...	--	--	--	--	--	--	0	--	--	--	--	--
MAR.												
16...	--	--	--	--	--	--	0	--	--	--	--	--
29...	--	--	--	6	0	2	0	6	4	.1	3	50
APR.												
11...	--	--	--	7	0	0	0	2	1	.4	6	50
18...	--	--	--	--	--	--	0	--	--	--	--	--
MAY												
09...	--	--	--	--	--	--	0	--	--	--	--	--
23...	--	--	--	1	0	1	0	3	0	.0	5	40
JUNE												
07...	--	--	--	--	--	--	0	--	--	--	--	--
21...	--	--	--	5	0	3	0	10	2	.2	9	10
JULY												
25...	--	--	--	--	--	--	--	--	--	--	--	--
AUG.												
08...	--	--	--	--	--	--	--	--	--	--	--	--
SEP.												
27...	--	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
OCT.									
07...	0900	63	7.5	13.0	15	5.5	8000	100000	260
26...	0930	88	6.8	15.5	10	4.8	8400	519900	3400
NOV.									
10...	0930	107	7.0	4.0	15	8.7	5900	89990	10990
23...	0945	120	7.7	1.5	15	10.3	38990	149900	16990
DEC.									
07...	0930	132	7.7	3.0	20	9.2	36990	169900	28990
22...	0945	109	7.5	.5	10	10.6	189900	339900	71990
JAN.									
12...	0930	134	7.5	.5	15	9.9	1900	109900	13990
18...	1200	115	7.6	.5	7	7.0	13990	179900	30990
FEB.									
08...	1000	99	7.4	.0	10	6.2	28990	379900	42990
22...	1015	97	7.6	.0	10	11.0	1900	99990	5000
MAR.									
16...	1015	108	8.1	8.5	10	9.8	500	94990	80
29...	0900	90	7.9	3.0	15	10.4	730	4000	620
APR.									
11...	0915	111	8.0	13.0	10	7.0	67	1800	120
18...	0920	107	7.9	15.0	25	6.2	1600	5700	220
MAY									
09...	1115	438	7.8	14.5	160	7.2	30990	469900	31990
23...	0900	226	7.5	19.0	70	5.8	4900	119900	1700
JUNE									
07...	1015	180	7.9	25.0	55	6.0	2500	77990	400
21...	0920	215	7.7	17.0	500	5.9	129900	429900	28990
JULY									
25...	0915	108	8.0	25.5	25	5.7	500	20990	400
AUG.									
08...	0910	112	7.7	21.5	35	5.1	2200	26990	840
SEP.									
27...	0930	93	8.0	14.5	15	5.5	21990	>79990	5200

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.

LOCATION.--Lat 41°00'55", long 96°09'28", in NW¼NW¼ sec.14, T.12 N., R.11 E., Sarpy County, at bridge on State Highway 50, 7 miles downstream from gaging station near South Bend, 1.0 mile north of Louisville.

DRAINAGE AREA.--85,800 sq mi, approximately.

PERIOD OF RECORD.--Sediment records: October 1971 to September 1972.

EXTREMES.--1971-72:
Sediment concentrations: Maximum daily, 10,100 mg/l May 1; minimum daily, 145 mg/l Jan. 2-7.
Sediment discharge: Maximum daily, 500,000 tons May 1; minimum daily, 639 tons Aug. 29.

REMARKS.--Prior to July 1, sediment samples collected and analyzed by the U.S. Corps of Engineers.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
OCT.												
12...	1108	13.5	2620	219	1550	--	61	--	--	--	--	--
15...	0938	14.0	2700	815	5940	--	--	18	20	33	74	98
21...	1123	14.5	4080	1260	13900	--	--	22	24	40	56	94
28...	1008	11.0	4780	473	6100	23	--	67	71	84	100	--
NOV.												
11...	1123	8.0	4810	339	4400	28	--	57	66	92	97	100
18...	1138	6.5	6990	479	9040	--	87	--	--	--	--	--
DEC.												
06...	1308	2.0	5990	451	7290	--	47	--	--	--	--	--
14...	1153	1.0	4430	496	5930	12	--	34	40	65	97	100
JAN.												
17...	1130	.5	3650	158	1560	--	23	--	--	--	--	--
MAR.												
06...	1200	2.0	5700	1010	15500	20	--	48	62	97	100	--
07...	1508	3.0	8480	1050	24000	--	48	--	--	--	--	--
08...	1130	2.0	7940	1090	23400	--	46	--	--	--	--	--
10...	1518	3.0	6300	1290	21900	--	56	--	--	--	--	--
16...	0923	4.0	6740	559	10200	20	--	53	58	92	100	--
27...	1323	8.0	7240	818	16000	--	65	--	--	--	--	--
APR.												
18...	1122	18.0	4980	222	2980	20	--	63	70	89	100	--
21...	1038	10.5	5030	250	3400	--	61	--	--	--	--	--
28...	1400	11.5	8240	163	3630	20	--	36	47	90	100	--
MAY												
01...	1115	14.5	20900	10700	604000	--	62	--	--	--	--	--
06...	1115	12.0	14300	1850	71400	22	71	--	--	--	--	--
15...	1215	15.0	17100	2530	117000	--	64	--	--	--	--	--
17...	1345	16.0	12500	1030	34800	--	80	--	--	--	--	--
25...	1052	21.0	18900	3390	173000	17	--	72	76	84	97	100
JUNE												
01...	0930	20.0	8780	743	17600	38	--	69	75	91	99	100
05...	1315	26.5	5800	312	4890	--	76	--	--	--	--	--
08...	1255	21.5	4160	364	4090	--	70	--	--	--	--	--
12...	1030	21.5	3320	594	5320	39	74	--	--	--	--	--
15...	1130	23.5	2840	320	2450	--	84	--	--	--	--	--
22...	1115	19.5	3420	400	3690	46	--	79	82	91	100	--
26...	1315	23.5	2140	229	1320	--	78	--	--	--	--	--
29...	0852	21.0	2040	258	1420	--	71	--	--	--	--	--
JULY												
12...	1600	24.5	2330	1680	10600	--	--	98	98	100	--	--

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
JULY							
14...	1230	29.0	4580	440	5440	--	--
18...	1525	26.0	1670	210	947	--	--
25...	1200	27.0	4670	1300	16400	62	70
SEP.							
13...	1420	25.0	10800	1820	53100	44	50

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
JULY						
14...	--	88	90	92	96	100
18...	--	68	72	86	97	100
25...	82	96	97	99	100	--
SEP.						
13...	59	92	95	98	100	--

W.D. Cox

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.--Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	OCTOBER			NOVEMBER			DECEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2540	240	1650	6140	412	6830	5820	400	6290
2	2430	230	1510	5730	440	6810	5910	340	5430
3	2620	240	1700	5260	470	6670	5740	273	4230
4	2610	243	1710	4890	502	6630	5670	270	4130
5	2550	240	1650	4630	460	5750	5580	260	3920
6	2550	240	1650	4600	430	5340	5630	451	6860
7	2740	262	1940	4510	400	4870	5800	470	7360
8	2890	290	2260	4800	424	5500	5800	470	7360
9	2720	280	2060	4400	390	4630	5650	447	6820
10	2780	280	2060	4950	360	4810	4700	450	5710
11	2980	300	2410	4580	339	4190	4600	450	5590
12	2980	300	2410	4750	325	4170	4600	450	5590
13	3030	400	3270	4780	310	4000	4530	470	5750
14	3020	600	4890	4940	295	3930	4430	496	5930
15	2920	815	6430	4820	285	3710	4480	450	5440
16	2840	600	4600	4800	285	3690	4660	400	5030
17	2870	400	3100	5540	350	5240	4650	300	3770
18	3200	263	2270	6580	479	8510	4700	200	2540
19	3470	340	3190	7700	600	12500	4700	160	2030
20	4020	1260	13700	7450	450	9050	4720	154	1960
21	3820	1260	13000	7310	400	7890	4920	150	1990
22	3550	1000	9580	6700	344	6220	4910	150	1990
23	3980	900	9670	6370	340	5850	5400	200	2920
24	3310	850	7600	5730	340	5260	6860	250	4630
25	3660	800	7910	6110	350	5770	6140	250	4140
26	4160	752	8450	5900	350	5580	6000	250	4050
27	4650	600	7530	5890	400	6360	5400	200	2920
28	4800	473	6130	5990	450	7280	5000	150	2020
29	4670	460	5800	6080	535	8780	5200	150	2110
30	5410	450	6570	5840	470	7410	5000	150	2020
31	5340	430	6200	--	--	--	4500	150	1820
TOTAL	105110	--	152900	167770	--	183230	161700	--	132350

	JANUARY			FEBRUARY			MARCH		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	4000	150	1620	3000	150	1220	11600	1250	39200
2	3000	145	1170	3000	150	1220	10800	1150	33500
3	2300	145	900	3000	150	1220	9000	1100	26700
4	2000	145	783	3000	150	1220	6900	1080	20100
5	1990	145	779	3100	150	1260	6360	1050	18000
6	2030	145	795	3100	150	1260	6200	1010	16900
7	2000	145	783	3100	150	1260	8300	1050	23500
8	2260	200	1220	3200	200	1730	7600	1090	22400
9	2580	250	1740	3200	250	2160	7290	1280	25200
10	3330	415	3730	3400	330	3030	7180	1290	25000
11	4320	450	5250	3600	350	3400	6800	1300	23900
12	5430	470	6890	4000	390	4210	6390	1000	17300
13	6000	500	8100	4400	420	4990	5600	830	12500
14	4900	450	5950	4900	470	6220	6360	850	14600
15	4000	400	4320	5400	520	7580	6330	874	14900
16	3400	300	2750	6000	580	9400	6630	559	10000
17	3800	200	2050	6400	610	10500	6830	812	15000
18	4000	158	1710	7000	680	12900	6920	820	15300
19	3900	150	1580	7600	740	15200	6880	750	13900
20	3800	150	1540	8400	830	18800	6580	679	12100
21	3700	150	1500	9000	900	21900	6730	700	12700
22	3600	150	1460	9200	920	22900	7680	770	16000
23	3500	150	1420	9400	950	24100	6530	760	13400
24	3500	150	1420	9400	950	24100	6680	759	13700
25	3400	150	1380	9600	1000	25900	6360	750	12900
26	3300	150	1340	10000	1050	28400	5040	750	10200
27	3100	150	1260	10800	1150	33500	6570	818	14500
28	3000	150	1220	11200	1200	36300	6520	800	14100
29	3000	150	1220	11400	1240	38200	5910	750	12000
30	3100	150	1260	--	--	--	6180	780	13000
31	3100	150	1260	--	--	--	6120	780	12900
TOTAL	105380	--	68400	176800	--	364080	216870	--	545400

PLATTE RIVER BASIN

06805500 PLATTE RIVER AT LOUISVILLE, NEBR.—Continued

SUSPENDED-SEDIMENT DISCHARGE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	APRIL			MAY			JUNE		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	6140	800	13300	16700	11100	500000	7420	743	14900
2	5710	800	12300	16400	8150	360000	6660	650	11700
3	6150	856	14200	12700	2800	96000	5860	550	8700
4	5230	800	11300	10900	1400	41200	5780	400	6240
5	5410	750	11000	11100	1130	33900	5430	312	4570
6	5590	750	11300	17900	7330	354000	4780	320	4130
7	5730	700	10800	16400	2900	128000	4710	340	4320
8	5510	650	9670	13100	1850	65400	4220	364	4150
9	5520	650	9690	11200	1200	36300	3970	370	3970
10	5930	700	11200	9450	960	24500	4150	450	5040
11	6330	850	14500	8650	860	20100	3790	500	5120
12	6080	800	13100	8300	810	18200	3580	594	5740
13	6010	700	11400	11200	1200	36300	3400	500	4590
14	5740	500	7750	14700	1850	73400	3300	400	3560
15	5220	300	4230	15300	2530	105000	3200	320	2760
16	5560	250	3750	13500	1600	58300	3050	300	2470
17	5260	250	3550	12000	1030	33400	3000	280	2270
18	4820	222	2890	11200	1000	30200	2790	260	1960
19	4900	230	3040	11200	1000	30200	3100	257	2150
20	4950	240	3210	10400	950	26700	3230	300	2620
21	5960	250	4020	9150	910	22500	3580	350	3380
22	5740	240	3720	8600	860	20000	3790	400	4090
23	5360	230	3330	8200	800	17700	3580	350	3380
24	5240	220	3110	8650	860	20100	3360	300	2720
25	4200	214	2430	16800	3390	154000	2680	230	1660
26	4600	200	2480	12000	1300	42100	2820	229	1740
27	6770	180	3290	10300	1100	30600	2590	230	1610
28	7430	163	3270	9050	900	22000	2620	240	1700
29	7710	320	6660	8450	850	19400	2770	258	1930
30	8260	820	18300	7920	790	16900	3030	250	2050
31	--	--	--	7650	740	15300	--	--	--
TOTAL	173060	--	232790	359270	--	2459700	116240	--	125220

	JULY			AUGUST			SEPTEMBER		
DAY	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)	MEAN DISCHARGE (CFS)	MEAN CONCEN-TRATION (MG/L)	SEDIMENT DISCHARGE (TONS/DAY)
1	2930	250	1980	6100	1110	18300	1370	200	740
2	2730	250	1840	5540	1000	15000	1670	200	902
3	2490	250	1680	5780	950	14800	1570	200	848
4	2320	250	1570	5430	904	13300	1530	200	826
5	2340	250	1580	5460	900	13300	1630	200	880
6	2420	250	1630	5210	750	10600	1550	200	837
7	2210	250	1490	4710	600	7630	1790	400	1930
8	2190	250	1480	4220	509	5800	1850	631	3150
9	1990	200	1070	4060	400	4380	1950	700	3690
10	1930	200	1040	4030	400	4350	2150	800	4640
11	1790	200	970	3640	335	3290	3910	1000	10600
12	2210	1690	10100	3470	320	3000	11200	2200	66500
13	2680	1500	10900	2980	300	2410	10500	1820	51600
14	4320	440	5130	2770	280	2090	7740	1450	30300
15	3360	400	3630	2510	260	1760	5140	1230	17100
16	2490	300	2020	2680	254	1840	4290	700	8110
17	2010	200	1090	2340	200	1260	3700	500	5000
18	2950	210	1670	2170	178	1040	3360	400	3630
19	4680	500	6320	1810	180	880	2820	290	2210
20	3440	350	3250	1630	190	836	3030	299	2450
21	3670	400	3960	1410	210	799	3230	450	3920
22	9400	1500	38100	1290	224	780	4120	1150	12800
23	6790	1430	26200	1160	220	689	3280	450	3990
24	6340	1360	23300	1120	220	665	3280	450	3990
25	5390	1300	18900	1870	266	1340	3200	400	3460
26	5320	1300	18700	2240	280	1690	3360	300	2720
27	11100	3000	89900	1510	250	1020	2840	242	1860
28	9610	2480	64300	1290	220	766	3300	250	2230
29	10900	2800	82400	1220	191	629	3130	250	2110
30	7150	2200	42500	1290	200	697	3200	260	2250
31	6260	1600	27000	1510	220	897	--	--	--
TOTAL	135410	--	495700	92459	--	135838	105690	--	255273

TOTAL DISCHARGE FOR YEAR (CFS-DAYS) 1917730
TOTAL SUSPENDED-SEDIMENT DISCHARGE FOR YEAR (TONS) 5150881

06805500 PLATTE RIVER NEAR PLATTSMOUTH, NEBR.

LOCATION.--Lat 41°03'32", long 95°59'22", in NE¼ sec.31, T.13 N., R.13 E., Sarpy County, at revetment at well no. 2, Omaha Metropolitan Utilities District well field, about 4 miles upstream from bridge on U.S. Highways 73 and 75 and about 7 miles northwest of Plattsmouth.

DRAINAGE AREA.--82,000 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	TEMPER-ATURE (DEG C) (00010)
OCT.						
14...	1030	2950	.11	.06	.49	12.5
NOV.						
04...	1040	4840	.36	.67	.59	6.0
DEC.						
02...	1025	5660	.25	.72	.42	.5
JAN.						
31...	1030	2900	.47	.33	.50	.5
FEB.						
15...	1015	5200	.32	.51	.31	.0
MAR.						
09...	1005	8800	.60	.00	.69	1.0
APR.						
06...	1000	4940	.04	.00	.38	13.5
MAY						
25...	1000	7350	.20	.00	1.3	21.0
JUNE						
27...	1015	3640	.09	.02	.59	24.5

MISSOURI RIVER MAIN STEM

06807000 MISSOURI RIVER AT NEBRASKA CITY, NEBR.

(International hydrological decade river, irrigation network, pesticide, and radiochemical station)

LOCATION.--Lat 40°40'55", long 95°50'48", in NW¼NE¼ sec.9, T.8 N., R.14 E., Otoe County, at gaging station at Waubonsie Highway Bridge at Nebraska City, at mile 562.6.

DRAINAGE AREA.--414,400 sq mi, approximately.

PERIOD OF RECORD.--Chemical analyses: January 1951 to September 1972.
Water temperatures: May 1951 to September 1972.

EXTREMES.--1971-72:
Specific conductance: Maximum daily, 857 micromhos Dec. 6; minimum daily, 553 micromhos Sept. 13.
Water temperatures: Maximum, 27.0°C Aug. 21; minimum, freezing point on many days during December to March.

Period of record:
Specific conductance: Maximum daily, 994 micromhos Dec. 17, 1962; minimum daily, 273 micromhos June 17, 1964.
Water temperatures: Maximum, 29°C July 25, 1952; minimum, freezing point on many days during winter period.

REMARKS.--Records of fluvial sediments are published in Part 2 of WRD Iowa.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT.												
06...	1620	52400	--	--	--	--	--	--	--	202	--	--
NOV.												
11...	1015	59000	--	--	--	--	--	--	--	193	--	--
DEC.												
10...	1030	42100	11	60	--	60	21	66	5.2	199	200	16
JAN.												
18...	1200	12800	--	--	--	--	--	--	--	268	--	--
FEB.												
08...	1100	23900	--	--	--	--	--	--	--	239	--	--
MAR.												
20...	1240	46100	13	20	40	51	18	45	7.3	175	130	15
APR.												
12...	0930	--	--	--	--	--	--	--	--	197	--	--
MAY												
25...	1600	63400	12	50	10	63	21	56	7.4	202	180	18
JUNE												
13...	1200	56200	--	--	--	--	--	--	--	203	--	--
JULY												
13...	1000	50600	--	--	--	--	--	--	--	190	--	--
AUG.												
22...	1015	51700	8.0	20	58	60	22	70	6.0	197	210	18
SEP.												
20...	1130	56200	--	--	--	--	--	--	--	195	--	--

06807000 MISSOURI RIVER AT NEBRASKA CITY, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL NON-FILT-RABLE RESIDUE (MG/L) (00530)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)
OCT. 06...	--	.48	.11	--	--	--	--	--	--	--	--	--
NOV. 11...	--	.37	.18	--	--	--	--	--	--	--	--	--
DEC. 10...	.4	.22	.17	120	--	498	.68	56600	--	240	73	1.9
JAN. 18...	--	.53	.18	--	--	--	--	--	--	--	--	--
FEB. 08...	--	.08	.12	--	--	--	--	--	--	--	--	--
MAR. 20...	.3	.66	.10	70	--	369	.50	45900	--	200	58	1.4
APR. 12...	--	.42	.07	--	--	--	--	--	--	--	--	--
MAY 25...	.5	.54	.10	110	500	460	.63	78700	390	240	78	1.6
JUNE 13...	--	.03	.10	--	--	--	--	--	--	--	--	--
JULY 13...	--	.00	.15	--	--	--	--	--	--	--	--	--
AUG. 22...	.6	.34	.09	130	520	489	.67	68300	77	240	79	2.0
SEP. 28...	--	.00	.18	--	--	--	--	--	--	--	--	--

DATE	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED GROSS ALPHA AS U-NAT. (UG/L) (80030)	SUS-PENDED GROSS ALPHA AS U-NAT. (UG/L) (80040)	DIS-SOLVED GROSS BETA AS SR90 /Y90 (PC/L) (80050)	SUS-PENDED GROSS BETA AS SR90 /Y90 (PC/L) (80060)	DIS-SOLVED RA-226 (PLAN-CHET COUNT) (PC/L) (09510)	DIS-SOLVED RA-226 (RADON METHOD) (PC/L) (09511)	DIS-SOLVED NATURAL URANIUM (U) (UG/L) (22703)	DIS-SOLVED TRITIUM (UNITS) (07018)
OCT. 06...	755	8.0	17.0	--	--	--	--	--	--	--	--	294
NOV. 11...	753	8.0	5.0	--	--	--	--	--	--	--	--	278
DEC. 10...	748	7.8	2.0	30	--	--	--	--	--	--	--	245
JAN. 18...	891	7.8	1.0	--	--	--	--	--	--	--	--	230
FEB. 08...	825	7.9	.5	--	--	--	--	--	--	--	--	239
MAR. 20...	580	7.6	9.5	80	--	--	--	--	--	--	--	172
APR. 12...	727	8.0	12.0	--	--	--	--	--	--	--	--	274
MAY 25...	714	7.0	24.4	40	19	30	9.8	12	--	.13	4.6	224
JUNE 13...	726	7.7	24.0	--	--	--	--	--	--	--	--	201
JULY 13...	791	7.8	24.5	--	--	--	--	--	--	--	--	262
AUG. 22...	766	8.0	22.0	10	19	3.0	10	3.0	.1	--	3.7	--
SEP. 28...	803	8.0	17.0	--	--	--	--	--	--	--	--	230

06807000 MISSOURI RIVER AT NEBRASKA CITY, NEBR.--Continued

✓ SPECIFIC CONDUCTANCE (MICROMHOS/CM AT 25°C), WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	742	695	730	789	796	620	723	687	748	752	713	755
2	745	698	724	755	778	579	707	630	718	750	734	739
3	742	723	730	743	761	565	717	624	720	747	736	720
4	737	712	732	715	773	621	720	644	724	750	700	726
5	750	728	733	761	748	611	721	676	722	750	727	718
6	750	723	857	780	741	647	722	657	731	757	716	724
7	742	728	735	789	790	651	726	615	718	750	712	723
8	740	729	727	782	778	591	718	635	718	750	721	730
9	740	734	744	762	798	600	720	661	718	744	722	729
10	737	732	735	758	808	590	724	694	708	759	737	734
11	742	732	738	762	791	589	725	692	690	733	728	724
12	737	739	736	757	796	603	725	700	711	756	746	747
13	740	739	748	754	768	608	725	699	722	760	743	553
14	742	729	743	724	782	596	731	714	750	743	744	620
15	748	734	764	798	770	603	730	676	702	738	749	675
16	753	732	766	798	770	571	718	676	732	734	749	694
17	744	729	764	812	763	613	723	693	732	752	749	701
18	737	728	766	853	754	607	721	706	745	757	770	716
19	734	729	771	831	751	592	702	709	718	639	751	714
20	784	734	777	716	748	586	720	712	742	686	749	716
21	722	714	761	787	729	588	725	708	747	718	747	722
22	722	718	756	784	705	598	709	706	745	730	744	690
23	728	718	766	773	653	598	710	711	748	661	749	710
24	733	726	768	766	642	598	709	712	755	671	749	714
25	726	726	759	778	649	608	706	709	748	706	743	716
26	726	729	748	713	662	647	710	664	748	693	736	716
27	718	725	748	722	667	680	709	668	757	682	765	716
28	719	725	753	741	669	707	713	702	752	649	736	713
29	710	731	766	746	668	711	700	687	758	676	743	714
30	696	731	797	749	---	716	700	689	739	644	744	715
31	705	---	793	807	---	719	---	700	---	680	741	---
MONTH	735	726	756	768	742	620	717	682	732	720	737	709

✓ TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	19.0	11.0	3.5	0.0	0.0	1.0	5.0	11.0	19.5	24.0	24.5	22.0
2	19.0	9.0	3.0	0.0	0.0	0.0	5.0	11.5	20.5	24.0	24.5	20.0
3	18.0	8.5	3.5	0.0	0.0	0.0	5.5	10.0	22.0	24.0	24.0	19.5
4	16.5	8.0	2.0	0.0	0.0	0.0	5.5	10.5	23.5	24.0	24.0	19.5
5	17.0	8.5	2.0	0.0	0.0	0.0	6.5	11.0	23.5	23.5	24.0	21.5
6	17.0	7.0	2.0	0.0	0.0	0.5	8.0	10.5	23.5	21.5	24.0	20.5
7	16.5	6.5	2.0	0.0	0.0	0.5	8.0	10.5	24.0	22.0	23.0	21.5
8	16.5	4.5	2.0	0.0	0.0	1.0	6.5	10.5	24.0	22.0	23.0	20.5
9	16.0	4.0	1.0	0.0	0.0	1.0	6.5	11.0	24.5	23.0	22.0	19.5
10	15.5	4.5	1.0	0.0	0.0	0.5	8.0	13.0	24.5	25.5	21.5	20.5
11	14.0	4.5	1.0	0.5	0.0	1.0	8.5	13.0	24.5	24.5	23.0	20.5
12	13.5	5.5	1.0	0.5	0.0	1.5	8.0	13.0	24.0	24.5	23.5	22.0
13	13.5	5.5	0.5	0.0	0.0	3.0	11.0	13.0	24.5	24.5	23.5	22.0
14	14.5	6.0	0.0	0.0	0.0	4.0	10.0	13.0	24.0	25.5	23.5	23.0
15	14.0	8.0	0.5	0.0	0.5	4.0	10.0	13.0	23.5	25.5	24.0	21.0
16	14.0	9.5	0.5	0.0	0.5	4.5	10.5	13.5	24.0	25.5	24.5	21.0
17	14.0	10.5	0.5	0.0	0.5	6.0	12.0	16.5	23.5	25.0	24.5	22.0
18	16.0	8.5	0.5	0.0	0.5	6.0	13.5	18.0	23.5	25.0	24.5	22.0
19	15.5	7.0	0.5	0.0	0.5	6.5	12.0	18.5	23.5	24.5	25.0	24.0
20	15.5	6.0	0.0	0.0	0.5	7.0	11.0	19.0	23.0	24.5	25.0	23.5
21	15.0	5.5	0.0	0.0	0.5	7.0	10.0	19.0	23.0	24.5	27.0	23.0
22	14.0	5.0	0.0	0.0	0.5	7.0	10.0	20.5	21.5	25.0	25.5	21.5
23	13.0	4.5	0.5	0.0	0.5	6.5	10.0	21.0	22.0	25.0	25.5	18.5
24	12.0	3.5	0.5	9.0	1.0	6.0	10.0	20.5	23.0	25.5	23.5	18.5
25	15.0	3.5	0.5	0.0	1.0	5.5	9.5	20.5	23.0	25.5	22.0	20.0
26	15.5	4.5	0.5	0.0	0.5	5.5	9.0	21.0	23.5	25.5	21.0	18.0
27	14.5	4.5	0.5	0.0	1.0	6.0	9.0	21.0	22.0	25.5	20.5	18.0
28	14.0	4.5	0.0	0.0	1.0	5.0	9.5	20.5	23.0	25.0	22.0	16.5
29	13.0	3.5	0.0	0.0	1.0	5.0	10.0	20.5	23.0	25.0	23.0	15.0
30	11.5	3.5	0.0	0.0	---	5.5	10.5	20.0	23.5	25.0	23.5	14.0
31	10.5	---	0.0	0.0	---	5.0	---	20.5	---	25.0	23.0	---
MONTH	15.0	6.0	1.0	0.0	0.5	3.5	9.0	15.5	23.0	24.5	23.5	20.5

06834500 REPUBLICAN RIVER AT BENKELMAN, NEBR.

LOCATION.--Lat 40°01'55", long 101°32'30", in SE¼SW¼ sec.19, T.1 N., R.37 W., Dundy County, at gaging station at bridge on U.S. Highway 34, 0.6 mile south of Burlington Northern Inc. track, 1 mile southwest of Benkelman, 2 miles upstream from South Fork Republican River, and 11 miles downstream from Rock Creek.

DRAINAGE AREA.--4,830 sq mi, approximately, of which about 1,330 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to June 1972 (discontinued).

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 14...	28	--	54	18	--	86	5.9	--	.03	.28	.07	--
NOV. 11...	94	--	56	17	--	53	5.2	--	.08	.88	.08	--
DEC. 15...	85	100	59	17	24	64	6.1	1.2	.13	1.2	.11	100
JAN. 13...	93	--	56	16	--	63	5.8	--	.06	1.1	.09	--
FEB. 10...	88	--	50	16	--	42	5.0	--	.07	1.1	.11	--
MAR. 02...	220	--	58	16	--	68	7.6	--	.12	.89	.17	--
22...	81	80	53	16	960	72	6.0	1.2	.03	.54	.13	80
APR. 19...	46	--	61	20	--	97	8.2	--	.05	.43	.15	--
MAY 17...	105	--	67	21	--	100	9.1	--	.05	.39	.16	--
JUNE 07...	37	0	64	20	30	97	5.8	1.3	.09	.43	.08	140

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)
OCT. 14...	378	.51	28.5	210	--	544	.7	--	--	--	--
NOV. 11...	352	.48	89.3	--	--	501	1.0	--	--	--	--
DEC. 15...	316	.43	72.5	220	.7	528	1.0	.00	.00	.0	.00
JAN. 13...	360	.49	90.4	210	--	505	1.9	--	--	--	--
FEB. 10...	316	.43	75.1	190	--	462	1.4	--	--	--	--
MAR. 02...	354	.48	210	210	--	530	2.2	--	--	--	--
22...	338	.46	73.9	200	30	497	1.7	.00	.00	.0	.00
APR. 19...	452	.61	56.1	230	--	586	1.6	--	--	--	--
MAY 17...	440	.60	125	250	--	629	2.7	--	--	--	--
JUNE 07...	552	.75	55.1	240	.8	589	2.6	.00	.00	.0	.00

06824000 REPUBLICAN RIVER AT BENKELMAN, NEBR.--Continued

WATER QUALITY DATA, OCTOBER 1971 TO JUNE 1972

DATE	DDE (UG/L) (39365)	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)
OCT.											
14...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
11...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
15...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.02	6
JAN.											
13...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
10...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
02...	--	--	--	--	--	--	--	--	--	--	--
22...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	10
APR.											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
07...	.00	.00	.00	.00	.00	.00	.00	.00	.00	.00	2

DATE	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT.											
14...	--	--	--	--	--	--	--	--	--	--	--
NOV.											
11...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
15...	--	0	0	10	26	.5	3	--	3	0	40
JAN.											
13...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
10...	--	--	--	--	--	--	--	--	--	--	--
MAR.											
02...	--	--	--	--	--	--	--	--	--	--	--
22...	0	3	0	9	6	12	2	6	--	0	50
APR.											
19...	--	--	--	--	--	--	--	--	--	--	--
MAY											
17...	--	--	--	--	--	--	--	--	--	--	--
JUNE											
07...	0	2	0	3	6	4.8	7	3	4	0	20

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT.							
14...	1030	24	8.0	8.0	10	10.2	47
NOV.							
11...	1100	94	8.1	6.0	20	11.5	75
DEC.							
15...	1130	85	8.0	.0	20	12.0	94
JAN.							
13...	1100	93	8.0	.0	15	11.4	640
FEB.							
10...	1100	88	7.9	.0	10	10.6	410
MAR.							
02...	1030	220	8.2	.0	45	12.4	640
22...	1100	81	8.1	9.0	25	10.6	38
APR.							
19...	1030	46	8.0	7.0	15	10.5	650
MAY							
17...	1030	105	8.1	18.0	55	8.3	440
JUNE							
07...	1100	37	8.0	21.5	50	7.6	680

06828500 REPUBLICAN RIVER AT TRENTON, NEBR.

LOCATION.--Lat 40°10'00", long 101°02'40", in SE¼ sec.4, T.2 N., R.33 W., Hitchcock County, at gaging station 300 ft upstream from Elm Creek, 0.9 mile downstream from centerline of spillway of Trenton Dam, and 1.8 miles southeast of Trenton.

DRAINAGE AREA.--8,620 sq mi, approximately, of which about 3,940 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR. 02...	1.0	37	63	21	57	15	300	0	110	17	1.1
AUG. 15...	138	15	42	18	39	13	238	0	81	11	1.3

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR. 02...	.67	.02	170	472	.64	1.27	240	0	1.6	0
AUG. 15...	.19	.03	130	338	.46	126	180	0	1.3	20

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT. 14...	1215	1.2	700	8.2	14.0	5	12.6
MAR. 02...	1220	1.0	714	8.1	7.0	6	14.2
MAY 17...	1215	1.0	600	7.8	24.0	8	8.3
JUNE 07...	1315	1.0	360	7.7	26.0	7	7.8
JULY 06...	0910	1.0	260	7.8	20.0	8	7.9
AUG. 15...	0900	138	529	8.1	23.5	30	7.4
SEP. 13...	1115	1.0	260	8.1	21.5	6	10.0

06835500 FRENCHMAN RIVER AT CULBERTSON, NEBR.

LOCATION.--Lat 40°14'05", long 100°52'40", in SW¼SE¼ sec.12, T.3 N., R.32 W., Hitchcock County, at gaging station at bridge on U.S. Highways 6 and 34, 2 miles west of Culbertson and 4.5 miles upstream from mouth.

DRAINAGE AREA.--2,770 sq mi, approximately, of which about 1,470 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR. 02...	100	55	58	16	19	12	281	0	30	6.8	.8
AUG. 15...	37	50	66	20	33	15	319	0	53	6.4	1.1

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR. 02...	1.9	.07	30	344	.47	92.9	210	0	.6	40
AUG. 15...	2.7	.08	150	413	.56	41.5	250	0	.9	7

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT. 14...	1330	73	540	8.0	13.0	75	8.9
NOV. 11...	1335	91	460	8.0	7.0	65	10.7
DEC. 15...	1315	92	440	7.9	1.5	65	12.2
JAN. 13...	1230	48	220	8.1	.0	40	12.4
FEB. 10...	1230	70	460	8.0	.0	35	12.3
MAR. 02...	1320	100	481	8.1	5.0	85	11.2
APR. 19...	1315	28	550	8.1	8.5	8	10.2
MAY 17...	1250	60	440	8.0	22.0	65	7.6
JUNE 07...	1400	21	520	8.1	26.5	8	7.6
JULY 06...	1010	51	330	7.7	18.0	40	7.4
AUG. 15...	1000	37	615	7.9	22.0	40	7.8
SEP. 13...	1030	20	340	8.0	18.0	60	8.2

06837000 REPUBLICAN RIVER AT MC COOK, NEBR.

LOCATION.--Lat 40°11'15", long 100°37'05", in SW¼NE¼ sec.32, T.3 N., R.29 W., Red Willow County, temperature recorder at gaging station at bridge on U.S. Highway 83 at south edge of McCook, 2.5 miles downstream from Driftwood Creek and 10.5 miles upstream from Red Willow Creek.

DRAINAGE AREA.--12,310 sq mi, approximately, of which about 6,260 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Water temperatures: December 1968 to September 1972.

EXTREMES.--1971-72:
Water temperatures: Minimum, freezing point on many days during December to February.

Period of record:
Water temperatures: Maximum (1968-71), 38.5°C June 24, 1971; minimum, freezing point on many days during winter period.

Not Rev

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	23.0	16.0	10.5	8.0	6.0	3.5	1.0	0.0	0.0	0.0	8.5	4.5
2	19.0	11.0	9.0	6.0	4.0	3.0	2.0	0.0	0.0	0.0	6.5	2.0
3	18.0	10.0	9.0	5.0	3.0	2.0	0.0	0.0	0.5	0.0	9.5	4.5
4	19.0	10.0	11.5	4.0	4.5	1.5	0.0	0.0	0.5	0.0	6.5	3.0
5	19.5	11.0	11.0	8.0	4.5	1.0	0.0	0.0	1.0	0.0	8.0	3.5
6	20.5	11.5	9.5	5.5	5.5	1.0	0.5	0.0	0.5	0.0	10.0	5.5
7	21.0	12.0	8.5	4.5	3.0	0.5	0.5	0.0	1.0	0.0	9.5	6.5
8	17.0	11.5	10.0	5.0	0.5	0.0	0.5	0.0	1.0	0.5	8.5	4.5
9	15.0	8.0	10.0	2.0	1.0	0.0	0.5	0.0	1.0	0.5	9.5	5.5
10	17.0	8.5	11.5	4.0	2.0	0.0	0.5	0.0	0.5	0.0	10.5	6.0
11	18.0	11.0	12.0	4.5	2.0	0.0	0.5	0.0	1.0	0.0	12.0	8.0
12	20.0	11.0	12.0	6.5	3.0	0.0	0.5	0.5	1.0	0.0	12.0	9.5
13	18.5	8.5	11.5	7.0	1.5	0.5	1.0	0.0	1.0	0.0	11.0	8.0
14	20.0	9.5	13.0	5.5	4.0	0.5	0.5	0.0	0.5	0.0	11.5	9.0
15	14.5	10.5	11.0	6.5	3.5	0.0	0.5	0.0	0.5	0.0	11.5	9.0
16	18.5	12.0	11.5	10.0	1.5	0.0	1.0	0.0	0.5	0.0	11.5	9.0
17	23.0	14.5	10.0	5.5	1.5	0.0	1.0	0.5	0.5	0.0	11.5	9.5
18	19.5	15.5	7.0	3.5	3.0	0.5	0.5	0.0	2.0	0.0	11.5	8.5
19	17.0	11.5	6.0	3.0	3.5	0.5	0.5	0.0	4.5	1.0	13.0	9.5
20	16.5	10.0	9.5	4.0	3.0	0.0	0.5	0.0	5.5	2.0	---	---
21	16.0	9.5	9.5	4.5	3.5	0.0	0.5	0.0	5.5	3.5	---	---
22	16.5	11.5	8.0	5.0	4.0	0.5	0.5	0.0	4.5	3.0	---	---
23	16.0	10.0	8.0	4.0	5.5	1.0	0.5	0.0	6.0	3.0	---	---
24	16.5	10.5	8.0	1.5	4.5	3.5	0.5	0.0	6.5	4.0	---	---
25	16.5	13.5	5.5	3.0	6.0	3.0	0.5	0.0	6.0	4.5	---	---
26	17.0	13.5	6.0	3.5	4.5	1.0	0.0	0.0	5.0	3.0	---	---
27	16.5	12.0	7.0	3.0	1.0	0.5	0.0	0.0	6.5	3.5	13.0	10.0
28	14.0	8.0	5.5	4.0	1.5	0.0	0.5	0.0	13.0	6.0	13.5	7.0
29	8.0	6.0	5.0	2.0	1.5	0.0	0.5	0.0	12.0	5.5	14.0	5.0
30	8.5	4.0	4.0	3.5	2.0	0.0	0.5	0.0	---	---	14.5	5.5
31	10.0	4.5	---	---	1.5	0.0	0.5	0.0	---	---	13.0	6.0
MONTH	23.0	4.0	13.0	1.5	6.0	0.0	2.0	0.0	13.0	0.0	---	---

06837000 REPUBLICAN RIVER AT MC COOK, NEBR.--Continued

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	15.5	4.0	19.0	11.0	31.0	17.0	—	—	30.5	—	19.0	14.0
2	18.0	8.0	17.0	10.0	31.5	19.0	—	—	26.0	21.5	19.0	13.5
3	16.0	8.5	23.0	11.0	31.0	21.5	—	—	22.0	18.5	19.0	18.0
4	16.5	7.0	21.5	15.0	32.0	21.0	—	—	21.0	19.0	26.5	16.0
5	20.0	10.0	23.0	16.0	33.0	20.5	24.0	20.5	26.0	21.0	26.0	17.0
6	19.5	12.0	20.5	16.0	31.5	22.0	25.5	18.0	27.0	23.5	28.5	18.5
7	20.5	11.5	20.5	13.5	31.0	21.0	24.0	19.5	28.0	23.0	28.0	19.0
8	13.5	10.5	21.5	15.0	30.0	21.0	—	—	26.5	24.5	26.0	17.0
9	16.5	8.5	19.0	15.0	30.5	20.5	—	—	26.0	21.0	25.0	19.5
10	21.0	11.0	15.5	14.5	24.5	21.5	—	—	26.5	21.0	30.0	19.5
11	21.0	14.5	17.0	14.5	29.0	21.0	—	—	28.5	22.0	25.5	21.0
12	22.0	15.5	18.0	15.0	30.5	21.5	31.5	24.0	29.0	23.5	28.5	20.5
13	21.0	13.0	16.5	15.5	24.0	22.0	30.0	24.0	28.5	23.5	26.0	19.0
14	16.0	11.5	18.5	15.0	29.5	20.0	29.0	24.5	27.0	23.0	24.5	16.5
15	13.5	10.5	20.5	17.0	30.5	20.5	28.0	23.5	30.5	23.0	24.5	16.5
16	19.5	9.0	21.5	19.0	26.0	21.0	24.0	21.0	30.0	24.0	25.0	18.5
17	21.0	13.0	—	—	24.0	20.5	24.0	22.0	29.5	24.5	24.0	16.5
18	16.5	13.0	—	—	22.0	20.5	24.0	20.0	29.0	24.5	24.5	17.0
19	13.0	11.0	—	—	21.5	20.0	26.5	22.0	29.5	24.5	24.0	19.0
20	11.0	10.0	—	—	—	—	26.5	23.5	30.5	25.0	21.5	18.0
21	16.5	9.5	—	—	—	—	25.5	23.5	30.0	23.5	20.5	15.0
22	18.0	10.5	—	—	—	—	29.0	23.0	28.0	23.5	19.5	14.0
23	18.5	12.0	—	—	—	—	28.5	25.0	26.5	21.5	19.5	14.0
24	23.5	11.0	30.5	15.0	—	—	—	—	24.5	20.5	20.0	15.5
25	13.5	9.5	29.5	18.5	—	—	—	—	23.5	18.5	21.0	15.5
26	10.5	9.5	27.0	17.0	—	—	—	—	24.0	18.5	20.5	11.0
27	11.5	10.0	26.5	19.0	—	—	—	—	25.0	19.0	22.0	10.5
28	14.0	10.0	27.0	19.0	—	—	—	—	24.5	19.5	21.0	12.0
29	15.5	10.5	23.5	16.0	—	—	—	—	24.5	20.0	17.0	11.5
30	21.0	14.0	24.5	14.5	—	—	—	—	30.5	20.0	20.5	8.5
31	—	—	28.0	14.5	—	—	—	—	26.5	19.0	—	—
MONTH	23.5	4.0	—	—	—	—	—	—	30.5	18.5	30.0	8.5

06837900 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.

LOCATION.--Lat 40°16'50", long 100°32'20", in SW¼SE¼ sec.28, T.4 N., R.29 W., Red Willow County, at county road bridge 3 miles north and 2 miles west of Red Willow school house and about 6 miles northeast of McCook.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1972.

REMARKS.--Discharges estimated from records for Red Willow Creek near McCook, Nebr. (sta 06837500) and Red Willow Creek near Red Willow, Nebr. (sta 06838000).

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR. 02...	7.0	57	66	21	30	13	322	0	23	35	.9
AUG. 15...	54	16	39	17	21	20	240	0	20	11	1.0

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR. 02...	1.5	.03	110	411	.56	7.77	250	0	.8	3
AUG. 15...	.04	.05	110	263	.36	38.3	170	0	.7	20

06837000 RED WILLOW CREEK AT RED WILLOW DIVERSION DAM, NEAR MC COOK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT. 14...	1445	9.4	670	8.0	12.0	35	9.1
NOV. 11...	1530	9.5	520	8.0	6.0	20	11.5
DEC. 15...	1445	7.0	680	8.1	2.0	30	11.7
JAN. 13...	1350	8.0	300	8.1	.0	20	12.0
FEB. 10...	1400	8.0	620	7.9	.0	10	11.5
MAR. 02...	1430	7.0	616	8.2	5.0	40	11.2
APR. 19...	1430	7.0	560	8.1	9.0	25	10.0
MAY 17...	1430	11	590	8.0	18.0	15	8.6
JUNE 09...	0900	9.6	350	7.9	18.0	100	7.5
JULY 06...	1200	30	360	7.8	22.0	20	7.0
AUG. 15...	1200	54	453	7.8	22.5	70	7.6
SEP. 13...	0920	10	330	8.0	22.0	20	7.2

06842500 MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR.

LOCATION.--Lat 40°23'20", long 100°13'20", at center of sec.25, T.5 N., R.26 W., Frontier County, at gaging station 0.8 mile downstream from Medicine Creek Dam and 6.5 miles northwest of Cambridge.

DRAINAGE AREA.--880 sq mi, approximately, of which about 640 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1970 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR. 03...	1.5	38	55	15	15	14	274	0	19	6.2	.6
AUG. 15...	332	17	38	14	14	12	213	0	18	3.6	.6

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR. 03...	.34	.03	60	299	.41	1.21	200	0	.5	0
AUG. 15...	.38	.04	80	224	.30	201	150	0	.5	20

06842500 MEDICINE CREEK BELOW HARRY STRUNK LAKE, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT. 13...	1525	.91	410	7.8	14.0	15	11.2
NOV. 10...	1115	3.0	425	8.0	5.0	20	12.1
DEC. 08...	1610	2.3	475	7.9	1.0	8	12.6
JAN. 07...	1120	2.1	415	7.9	.5	10	12.2
FEB. 01...	1130	3.5	470	8.1	1.0	4	11.1
29...	1115	3.6	480	8.0	6.0	10	12.8
MAR. 03...	0900	1.5	450	8.2	5.0	6	14.0
APR. 25...	1615	45	330	8.1	10.0	10	10.6
MAY 10...	1415	186	220	8.0	13.0	15	9.8
JUNE 09...	1115	48	390	8.1	19.0	15	9.4
JULY 06...	1520	43	210	8.1	25.0	10	7.6
AUG. 15...	1500	332	374	7.5	23.0	20	7.0
SEP. 12...	1610	1.8	290	8.1	25.0	20	9.4

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.

LOCATION.--Lat 40°07'53", long 99°30'08", in NE¼NE¼ sec.19, T.2 N., R.19 W., Harlan County, at gaging station at bridge on State Highway 89, 200 ft downstream from Burlington Northern Inc. bridge, 2 miles west of Orleans, 2.8 miles upstream from Sappa Creek, and 23 miles upstream from Harlan County Dam.

DRAINAGE AREA.--15,840 sq mi, approximately, of which about 8,910 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR. 01...	229	47	66	19	36	13	319	0	61	18	.8
AUG. 14...	52	38	58	21	38	15	294	0	66	15	.7

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR. 01...	1.7	.21	120	425	.58	263	240	0	1.0	20
AUG. 14...	.01	.09	140	396	.54	55.7	230	0	1.1	10

06844500 REPUBLICAN RIVER NEAR ORLEANS, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT.							
06...	1415	98	390	8.2	18.0	50	9.5
NOV.							
09...	1200	153	560	8.0	3.0	50	12.1
DEC.							
07...	1220	207	620	8.1	1.0	60	12.2
JAN.							
06...	1230	74	380	7.7	.0	10	12.4
FEB.							
03...	1230	108	760	7.7	.0	8	10.5
MAR.							
01...	1215	229	613	8.2	3.0	60	11.7
APR.							
10...	1330	176	620	8.3	16.0	35	11.0
MAY							
08...	1200	231	570	8.1	14.0	50	9.8
JUNE							
08...	1150	161	420	8.0	26.0	200	6.8
12...	0915	136	200	8.3	21.0	55	8.4
20...	1115	1500	280	7.3	19.0	100	5.7
JULY							
05...	1015	261	275	7.9	18.0	300	8.0
12...	1600	153	130	7.9	32.0	150	6.6
18...	1200	95	290	8.2	21.5	40	9.3
AUG.							
09...	0930	166	270	7.6	20.0	130	7.8
14...	1230	52	615	8.2	27.0	40	9.2
21...	0900	47	460	8.2	21.0	35	7.8
28...	1100	142	420	8.1	22.0	160	8.0
SEP.							
07...	0915	361	560	8.1	20.0	65	8.0
11...	1200	101	390	8.4	24.0	60	10.0
26...	1140	109	280	8.2	13.0	45	10.2

06849500 REPUBLICAN RIVER BELOW HARLAN COUNTY DAM, NEBR.

LOCATION.--Lat 40°04'45", long 99°10'05", in SW¼ sec.6, T.1 N., R.16 W., Franklin County, at gaging station 1.4 miles west of Naponee, 1.4 miles upstream from Turkey Creek, and 2.8 miles downstream from Harlan County Dam.

DRAINAGE AREA.--20,760 sq mi, approximately, of which about 13,550 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: July 1969 to September 1972.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
MAR.											
01...	9.9	15	69	21	36	15	277	0	100	20	.7
AUG.											
14...	269	3.5	45	17	32	15	231	0	70	16	.8

DATE	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	COLOR (PLAT-INUM-COBALT UNITS) (00080)
MAR.										
01...	.08	.04	120	413	.56	11.1	260	32	1.0	3
AUG.										
14...	.25	.05	130	314	.43	228	180	0	1.0	7

06849500 REPUBLICAN RIVER BELOW HARLAN COUNTY DAM, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT. 06...	1215	10	700	7.6	16.0	10	9.0
NOV. 09...	1430	12	600	8.0	8.0	5	12.5
DEC. 07...	1020	12	450	7.8	3.0	5	11.2
JAN. 06...	1445	8.6	590	7.8	.0	5	14.3
FEB. 03...	1545	9.1	670	7.8	.0	6	15.6
MAR. 01...	1420	9.9	661	7.9	4.0	15	13.0
APR. 10...	1050	10	640	7.9	14.0	20	9.7
MAY 08...	1015	7.1	640	7.8	14.0	7	9.4
JUNE 08...	1010	8.7	300	7.8	24.0	10	7.2
JULY 05...	1215	607	290	7.9	20.0	15	8.8
AUG. 14...	1015	269	531	8.1	22.5	20	8.2
SEP. 11...	1010	14	440	7.7	22.0	10	7.0

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.

LOCATION.--Lat 40°04'05", long 98°22'25", in SW¼NE¼ sec.7, T.1 N., R.9 W., Webster County, at gaging station 300 ft upstream from Willow Creek, 0.2 mile downstream from Courtland diversion dam, and 2 miles southwest of Guide Rock.

DRAINAGE AREA.--22,040 sq mi, approximately, of which about 14,550 sq mi contributes directly to surface runoff.

PERIOD OF RECORD.--Chemical analyses: November 1961 to September 1972.

REMARKS.--Chemical analyses by Kansas State Department of Health, Topeka, Kans.

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)
OCT. 06...	1455	3.8	16	110	20	72	13	27	10
NOV. 03...	1300	116	32	--	--	85	14	29	11
DEC. 06...	1400	97	30	--	--	83	17	25	9.3
JAN. 10...	1315	100	22	--	--	80	15	24	8.8
FEB. 14...	1355	120	39	--	--	73	11	20	7.8
MAR. 07...	1420	113	26	--	--	77	18	27	9.5
APR. 10...	1410	110	19	70	0	69	15	27	10
JUNE 08...	0835	7.6	32	--	--	85	13	26	10
JULY 11...	1350	2690	21	--	--	38	6.1	10	10
AUG. 16...	1200	14	15	--	--	59	17	31	15
SEP. 05...	1345	93	20	--	--	83	18	30	12

06853000 REPUBLICAN RIVER NEAR GUIDE ROCK, NEBR.--Continued

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	DIS-SOLVED NITRATE (N) (MG/L) (00618)	PHOS-PHATE (PO4) (MG/L) (00650)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOLVED BORON (B) (UG/L) (01020)
OCT. 06...	259	0	62	18	.3	.79	.62	.20	110
NOV. 03...	281	0	73	21	.4	.79	.70	.23	120
DEC. 06...	281	0	73	18	.4	1.2	.92	.17	120
JAN. 10...	266	0	66	19	.2	.66	.57	.18	110
FEB. 14...	251	0	58	18	.2	.61	.54	.18	110
MAR. 07...	273	0	74	22	.4	.65	.61	.15	90
APR. 10...	259	0	67	18	.4	.25	.58	.19	110
JUNE 08...	290	0	67	20	.4	.70	.66	.22	80
JULY 11...	122	0	20	8.0	.4	1.1	.96	.31	80
AUG. 16...	254	0	64	19	.6	.05	.54	.18	120
SEP. 05...	295	0	86	20	.4	.41	.67	.22	110

DATE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)
OCT. 06...	358	.49	3.87	230	21	.8	550	8.0	19.0
NOV. 03...	406	.55	127	270	40	.8	630	8.0	8.0
DEC. 06...	403	.55	106	280	47	.7	610	8.0	3.0
JAN. 10...	375	.51	101	260	43	.6	590	8.2	.5
FEB. 14...	335	.46	109	230	21	.6	520	7.9	.0
MAR. 07...	398	.54	121	270	42	.7	600	7.9	10.0
APR. 10...	357	.49	106	230	22	.8	550	8.3	19.5
JUNE 08...	398	.54	8.17	270	28	.7	620	7.7	20.0
JULY 11...	172	.23	1250	100	0	.6	290	7.1	17.5
AUG. 16...	360	.49	13.6	220	9	.9	570	8.0	27.0
SEP. 05...	429	.58	108	280	39	.8	650	8.3	22.5

06881000 BIG BLUE RIVER NEAR CRETE, NEBR.

LOCATION.--Lat 40°35'47", long 96°57'36", in SW¼SE¼ sec.3, T.7 N., R.4 E., Saline County, temperature recorder at gaging station at highway bridge 1.8 miles south of Missouri Pacific Railroad station in Crete, 3.3 miles downstream from Walnut Creek, and 3.6 miles upstream from Squaw Creek.

DRAINAGE AREA.--2,716 sq mi.

PERIOD OF RECORD.--Chemical analyses: May 1961 to September 1962.
Water temperatures: October 1961 to September 1962, April 1968 to September 1972.
Sediment records: October 1961 to September 1962.

EXTREMES.--1971-72:
Water temperatures: Maximum, 30.5°C July 9; minimum, 0.5°C on many days during December to March.

Period of record:
Water temperatures: Maximum, 30.5°C July 9, 1972; minimum, freezing point on many days during winter period.

not here

TEMPERATURE (°C) OF WATER, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972
(RECORDER WITH TEMPERATURE ATTACHMENT, CONTINUOUS ETHYL ALCOHOL-ACTUATED THERMOGRAPH)

	OCTOBER		NOVEMBER		DECEMBER		JANUARY		FEBRUARY		MARCH	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	21.5	19.5	8.0	7.0	3.5	3.0	1.0	0.5	1.0	0.5	4.5	1.5
2	20.0	18.5	8.0	6.5	3.5	3.5	1.0	0.5	1.0	0.5	3.5	0.5
3	18.5	15.5	7.0	6.5	3.5	3.0	1.0	0.5	0.5	0.5	3.5	1.0
4	16.5	14.0	8.0	6.5	3.5	3.0	0.5	0.5	1.5	0.5	4.5	0.5
5	16.5	14.5	9.0	7.0	3.5	3.0	0.5	0.5	2.0	0.5	4.5	0.5
6	16.0	14.0	7.0	6.5	3.5	3.0	1.0	0.5	1.0	0.5	7.0	3.0
7	16.5	14.5	6.5	6.5	3.5	3.5	1.5	0.5	1.5	0.5	8.5	6.5
8	15.5	14.0	6.5	6.0	3.5	3.0	2.0	1.0	1.0	0.5	6.5	4.0
9	13.5	12.0	6.0	5.5	3.0	2.0	2.0	0.5	0.5	0.5	7.0	4.0
10	13.5	11.0	6.5	5.0	2.0	1.5	1.5	0.5	2.0	0.5	7.0	5.0
11	14.5	13.0	7.0	5.5	2.0	2.0	1.5	0.5	2.0	0.5	10.5	6.5
12	14.5	11.5	8.0	6.5	3.0	1.5	2.0	0.5	3.0	0.5	10.0	9.0
13	14.5	13.0	9.0	6.5	2.0	1.5	1.0	0.5	3.5	0.5	9.0	8.0
14	14.5	12.0	10.0	9.0	2.0	1.5	0.5	0.5	2.0	1.0	9.5	7.0
15	15.5	13.5	10.5	8.5	2.0	1.5	0.5	0.5	3.0	0.5	12.0	9.0
16	16.0	15.0	12.0	10.5	2.0	1.5	0.5	0.5	3.0	1.0	11.5	9.0
17	16.0	15.5	12.0	10.0	2.0	1.5	1.5	0.5	3.0	0.5	11.5	10.0
18	18.0	16.0	10.0	6.5	3.0	1.5	2.0	1.0	3.0	0.5	11.0	9.0
19	16.5	14.5	6.5	5.0	1.5	1.5	1.0	0.5	3.0	0.5	12.0	8.5
20	14.5	13.5	6.5	5.5	2.0	1.5	1.0	0.5	3.5	0.5	12.0	11.5
21	14.5	12.0	6.5	5.5	1.5	1.5	1.0	0.5	2.0	0.5	13.0	10.5
22	14.0	13.5	5.5	4.0	1.5	1.5	2.0	0.5	1.5	0.5	12.0	9.5
23	13.5	12.0	4.0	3.5	3.0	1.5	1.5	0.5	3.5	0.5	11.5	9.0
24	14.0	12.0	4.5	4.0	3.5	2.0	1.0	0.5	2.0	0.5	10.5	8.0
25	15.0	12.0	4.5	4.0	3.5	3.5	0.5	0.5	1.5	0.5	9.0	6.5
26	15.5	14.5	5.0	4.5	3.5	1.0	0.5	0.5	2.0	0.5	11.0	6.5
27	15.5	13.5	4.5	3.5	2.0	1.0	0.5	0.5	3.5	0.5	11.0	10.0
28	13.5	10.5	3.5	3.0	2.0	1.0	0.5	0.5	4.0	1.0	10.0	8.0
29	10.5	9.5	3.0	2.0	1.0	1.0	0.5	0.5	4.5	1.0	9.0	5.5
30	9.5	6.5	3.5	3.0	1.5	0.5	1.0	0.5	——	——	8.5	6.5
31	7.0	6.5	——	——	1.5	0.5	2.0	0.5	——	——	8.0	6.5
MONTH	21.5	6.5	12.0	2.0	3.5	0.5	2.0	0.5	4.5	0.5	13.0	0.5

	APRIL		MAY		JUNE		JULY		AUGUST		SEPTEMBER	
DAY	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN
1	——	4.5	15.0	12.0	22.0	18.5	27.0	24.0	23.5	23.0	20.0	17.0
2	——	6.0	13.0	11.0	24.0	20.0	25.0	22.0	24.0	22.0	17.0	15.5
3	——	8.0	13.5	10.5	23.5	22.0	23.0	19.5	24.0	22.0	17.0	16.5
4	——	6.0	14.5	13.0	23.5	21.5	22.0	19.0	24.0	21.5	19.5	16.5
5	——	8.5	16.5	13.5	26.0	22.0	23.0	18.5	23.5	22.0	20.5	18.0
6	——	11.5	16.5	13.0	27.0	24.0	23.0	19.0	24.5	22.0	21.5	19.0
7	——	11.0	13.0	11.5	28.0	24.5	24.0	20.5	24.5	21.0	23.5	20.0
8	——	8.0	14.0	11.5	28.0	24.0	27.0	20.5	24.5	22.0	22.0	19.0
9	11.0	6.0	14.0	12.0	28.0	24.0	30.5	23.0	24.5	21.0	21.0	19.0
10	14.5	10.5	13.0	12.0	27.0	22.0	29.0	24.5	24.0	20.5	23.5	19.0
11	14.5	13.5	13.5	11.5	22.0	19.5	25.5	23.0	26.0	22.0	24.0	21.5
12	16.0	13.5	13.5	13.0	25.5	20.0	24.5	23.0	28.0	24.0	25.0	21.5
13	18.0	13.5	13.0	11.5	25.5	23.0	24.5	23.0	28.5	25.0	25.5	22.0
14	15.5	10.0	13.5	12.0	23.5	21.0	25.5	24.5	28.5	25.0	24.0	20.0
15	13.0	9.5	15.5	12.0	25.0	20.5	25.5	25.5	28.5	24.5	22.0	19.0
16	15.5	11.0	19.0	14.5	26.0	22.0	25.5	24.5	28.5	24.5	24.0	20.5
17	17.0	13.5	21.0	16.5	24.5	21.5	25.0	23.5	28.5	24.5	25.0	21.5
18	18.5	14.5	21.5	18.5	24.0	21.5	23.5	22.0	28.0	24.5	25.0	21.0
19	16.5	11.0	22.0	19.0	26.0	21.5	24.5	22.0	29.0	24.5	26.0	23.0
20	11.0	10.0	22.0	20.0	25.0	20.5	26.5	23.5	28.5	25.0	25.0	20.5
21	10.5	10.0	23.5	20.5	21.0	19.0	27.0	24.5	28.5	24.5	20.5	16.5
22	12.0	9.0	23.5	21.0	20.5	19.0	27.0	24.0	28.0	23.5	19.0	15.5
23	14.5	11.0	22.0	20.0	21.0	19.0	28.0	24.5	24.5	21.5	19.0	15.0
24	13.5	11.0	21.0	19.0	21.0	19.5	28.5	24.5	24.0	20.0	18.5	16.5
25	13.5	11.0	22.0	18.0	24.0	20.0	28.0	25.0	20.0	18.5	18.5	17.0
26	11.0	9.0	22.0	20.5	24.0	21.5	28.5	23.5	21.0	17.0	18.5	15.5
27	9.0	8.5	21.0	19.0	24.0	22.0	28.5	24.0	22.0	19.0	18.0	15.5
28	11.0	9.0	20.0	19.5	24.5	21.0	24.0	23.0	24.0	20.5	16.5	15.5
29	13.5	10.0	20.0	18.5	26.0	21.0	23.5	22.0	24.5	21.5	15.5	13.0
30	15.0	13.0	20.0	18.0	27.0	23.0	23.5	22.0	24.5	21.0	14.0	11.0
31	——	——	21.0	17.0	——	——	23.5	23.5	21.0	20.0	——	——
MONTH	——	4.5	23.5	10.5	28.0	18.5	30.5	18.5	29.0	17.0	26.0	11.0

ANALYSES OF SAMPLES COLLECTED AT PARTIAL-RECORD WATER-QUALITY STATIONS

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
NIOBRARA RIVER BASIN												
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)												
NOV., 1971 09...	0900	20	58	10	0	20	2.6	6.0	6.1	93	2.0	1.3
APR., 1972 25...	1330	19	50	30	0	22	2.6	6.0	5.7	94	2.7	.4
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)												
NOV., 1971 09...	1040	63	59	120	0	22	2.8	6.3	5.6	104	4.3	1.3
APR., 1972 25...	1510	55	55	20	0	22	2.8	6.3	5.9	101	3.0	.6
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)												
NOV., 1971 08...	1545	2.4	51	50	0	21	3.1	6.4	5.5	81	6.5	2.0
APR., 1972 26...	0855	3.0	44	70	10	18	2.8	6.2	5.3	79	3.4	1.6
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)												
NOV., 1971 09...	1255	32	59	20	0	28	3.9	10	7.4	127	6.8	3.5
APR., 1972 26...	1030	36	44	30	10	27	3.6	7.4	6.4	115	3.5	2.0

DATE	DISSOLVED FLUORIDE (F) (MG/L) (00950)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED BORON (B) (UG/L) (01020)	DISSOLVED SOLIDS (SUM OF CONSTITUENTS) (MG/L) (70301)	HARDNESS (CA,MG) (MG/L) (00900)	NONCARBONATE HARDNESS (MG/L) (00902)	SODIUM ADSORPTION RATIO (00931)	SPECIFIC CONDUCTANCE (MICROMHOS) (00095)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	COLOR (PLATINUM-COBALT UNITS) (00080)
06462450 - PLUM CREEK AT JOHNSTOWN, NEBR (LAT 42 34 08 LONG 100 06 22)												
NOV., 1971 09...	.2	.41	.15	20	148	61	0	.3	163	7.5	4.0	5
APR., 1972 25...	.3	.26	.12	20	137	66	0	.3	160	8.0	8.5	5
06462470 - PLUM CREEK NEAR JOHNSTOWN, NEBR (LAT 42 40 01 LONG 100 03 26)												
NOV., 1971 09...	.3	.49	.14	20	155	66	0	.3	177	7.7	5.0	5
APR., 1972 25...	.4	.35	.09	20	147	66	0	.3	173	7.9	9.0	0
06463090 - BONE CREEK AT AINSWORTH, NEBR (LAT 42 32 51 LONG 099 52 33)												
NOV., 1971 08...	.3	1.5	.17	20	142	65	0	.3	150	7.8	8.0	20
APR., 1972 26...	.3	1.4	.16	30	127	56	0	.4	151	7.0	6.5	20
06463350 - BONE CREEK NEAR LONG PINE, NEBR (LAT 42 40 16 LONG 099 46 06)												
NOV., 1971 09...	.2	1.3	.34	30	187	86	0	.5	234	7.7	9.0	7
APR., 1972 26...	.3	.72	.22	40	154	82	0	.4	207	7.6	7.5	10

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)
KANSAS RIVER BASIN												
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)												
DEC., 1971 13...	120	--	20	82	15	14	--	--	--	73	18	.5
MAR., 1972 20...	125	--	42	67	15	27	--	--	--	78	19	.5
JUNE 06...	55	--	40	86	16	31	--	--	--	73	17	.5
JULY 12...	1430	9.5	40	25	5.9	10	12	114	0	23	7.0	.7

DATE	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)											
DEC., 1971 13...	--	--	.09	1.1	.31	--	80	422	--	.57	137
MAR., 1972 20...	--	--	.12	.30	.32	--	70	408	--	.55	138
JUNE 06...	--	--	.02	.13	.21	--	80	458	--	.62	68.0
JULY 12...	3.5	3.6	.10	.04	1.2	.26	80	--	150	.20	579

DATE	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)
06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)											
DEC., 1971 13...	270	--	.4	630	--	1.0	.00	.00	.0	.00	.00
MAR., 1972 20...	230	--	.8	575	--	2.1	.00	.00	.0	.00	.00
JUNE 06...	280	--	.8	659	--	1.2	.00	.00	.0	.00	.00
JULY 12...	87	0	.5	260	100	7.1	--	.00	.0	.00	.00

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

KANSAS RIVER BASIN

06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)

DATE	DDT (UG/L) (39370)	DI-ELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTA-CHLOR (UG/L) (39410)	HEPTA-CHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)
DEC., 1971											
13...	.00	.00	.00	.00	.00	.00	.00	.00	.00	20	0
MAR., 1972											
20...	.00	.00	.00	.00	.00	.00	.00	.00	.00	7	0
JUNE											
06...	.00	.00	.00	.00	.00	.00	.00	.00	.00	2	0
JULY											
12...	.00	.00	.00	.00	.00	.00	.18	.04	.00	3	--

06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
DEC., 1971											
13...	0	0	20	21	--	.6	4	27	3	0	30
MAR., 1972											
20...	8	0	19	12	62	44	2	4	0	2	20
JUNE											
06...	3	0	8	9	--	5.0	10	3	8	0	20
JULY											
12...	5	0	70	18	--	6.4	--	--	18	0	70

FIELD DETERMINATIONS

06853400 - REPUBLICAN RIVER AT SUPERIOR, NEBR. (LAT 40 01 01 LONG 098 05 15)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
DEC., 1971							
13...	1430	120	7.8	.0	30	13.0	480
MAR., 1972							
20...	1500	125	8.3	16.0	30	9.7	130
JUNE							
06...	1100	55	7.5	25.0	15	8.2	100
JULY							
12...	1300	1430	7.3	23.0	200	5.5	9000

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

MISSOURI RIVER MAIN STEM

06601200 - MISSOURI RIVER AT DECATUR, NEBR. (LAT 42 00 26 LONG 096 14 29)

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT., 1971 14...	49800	--	--	--	--	--	--	--	--	--	--	--
14...	49800	--	--	10	60	22	72	--	--	--	230	9.1
NOV. 04...	53000	--	--	--	57	21	--	--	--	--	210	11
DEC. 02...	47500	--	--	--	63	21	--	--	--	--	220	12
JAN., 1972 31...	22000	--	--	--	65	22	--	--	--	--	220	12
FEB. 15...	20000	--	--	10	64	23	69	--	--	--	210	14
MAR. 09...	25500	--	--	--	53	18	--	--	--	--	160	10
APR. 06...	42800	--	--	--	61	22	--	--	--	--	200	12
MAY 25...	42700	--	1100	140	63	24	58	--	--	--	200	11
JUNE 27...	42700	--	--	--	66	23	--	--	--	--	220	11
JULY 11...	47000	--	--	--	62	23	--	--	--	--	220	10
AUG. 23...	48900	7.4	1100	120	60	23	68	5.3	193	0	220	11
SEP. 29...	49500	--	--	--	59	21	--	--	--	--	210	22

06610670 - MISSOURI RIVER AT BELLEVUE, NEBR. (LAT 41 08 35 LONG 095 53 00)

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
OCT., 1971 14...	49300	--	--	30	60	22	72	--	--	--	230	11
NOV. 04...	54900	--	--	--	58	21	--	--	--	--	210	12
DEC. 02...	50500	--	--	--	61	22	--	--	--	--	220	11
JAN., 1972 31...	21500	--	--	--	69	23	--	--	--	--	220	13
FEB. 15...	21300	--	--	10	64	23	75	--	--	--	210	22
MAR. 09...	30400	--	--	--	50	16	--	--	--	--	130	30
APR. 06...	45800	--	--	--	62	22	--	--	--	--	200	15
MAY 25...	51800	--	--	60	63	22	54	--	--	--	200	12
JUNE 27...	44100	--	--	--	68	24	--	--	--	--	220	14
JULY 11...	48100	--	--	--	64	22	--	--	--	--	220	11
AUG. 22...	49400	7.4	840	30	60	22	67	5.5	193	0	220	12
SEP. 28...	51000	--	--	--	60	22	--	--	--	--	200	24

06601200 - MISSOURI RIVER AT DECATUR, NEBR. (LAT 42 00 26 LONG 096 14 29)

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
OCT., 1971 14...	--	--	--	--	--	--	--	--	--	--	--	--
14...	.3	--	--	.07	.19	.12	--	130	478	--	.65	64300
NOV. 04...	--	--	--	.15	.23	.12	--	--	498	--	.68	71300
DEC. 02...	--	--	--	.08	.18	.13	--	--	500	--	.68	64100
JAN., 1972 31...	--	--	--	.20	.19	.21	--	--	512	--	.70	30400
FEB. 15...	.5	--	--	.16	.24	.080	--	120	522	--	.71	28200
MAR. 09...	--	--	--	.59	.42	.36	--	--	390	--	.53	26900
APR. 06...	--	--	--	.10	.24	.23	--	--	472	--	.64	54500
MAY 25...	.5	--	--	.05	.33	.39	.080	110	526	--	.72	60600
JUNE 27...	--	--	--	.14	.18	.25	--	--	534	--	.73	61600
JULY 11...	--	--	--	.15	.05	.14	.090	--	516	--	.70	65500
AUG. 23...	.6	.13	.35	.22	.04	.15	.020	130	--	492	.67	65000
SEP. 29...	--	--	--	.12	.11	.11	.040	--	504	--	.69	67400

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)
MISSOURI RIVER MAIN STEM												
06610670 - MISSOURI RIVER AT BELLEVUE, NEBR. (LAT 41 08 35 LONG 095 53 00)												
OCT., 1971												
14...	.3	--	--	.09	.20	.13	--	130	498	--	.68	66300
NOV.												
04...	--	--	--	.18	.26	.15	--	--	512	--	.70	75900
DEC.												
02...	--	--	--	.12	.19	.17	--	--	510	--	.69	69500
JAN., 1972												
31...	--	--	--	.33	.28	.25	--	--	556	--	.76	32300
FEB.												
15...	.5	--	--	.21	.27	.11	--	130	536	--	.73	30800
MAR.												
09...	--	--	--	1.0	.66	.68	--	--	376	--	.51	30900
APR.												
06...	--	--	--	.13	.32	.13	--	--	476	--	.65	58900
MAY												
25...	.5	--	--	.12	.54	.44	--	100	480	--	.65	67100
JUNE												
27...	--	--	--	.12	.46	.23	--	--	536	--	.73	63800
JULY												
11...	--	--	--	.10	.21	.28	.070	--	514	--	.70	66800
AUG.												
22...	.6	.49	.57	.08	.05	.19	.050	120	--	491	.67	65500
SEP.												
28...	--	--	--	.16	.29	.22	.060	--	506	--	.69	69700

DATE	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	CYANIDE (CN) (MG/L) (00720)	ALDRIN (UG/L) (39330)	CHLOR-DANE (UG/L) (39350)	DDD (UG/L) (39360)	DDE (UG/L) (39365)
06601200 - MISSOURI RIVER AT DECATUR, NEBR. (LAT 42 00 26 LONG 096 14 29)											
OCT., 1971											
14...	--	--	--	--	--	--	--	.00	.0	.00	.00
14...	240	--	2.0	748	--	.8	.00	--	--	--	--
NOV.											
04...	230	--	--	737	--	1.1	--	--	--	--	--
DEC.											
02...	240	--	--	757	--	1.5	--	--	--	--	--
JAN., 1972											
31...	250	--	--	777	--	1.4	--	--	--	--	--
FEB.											
15...	250	--	1.9	791	--	1.2	.00	.00	.0	.00	.00
MAR.											
09...	210	--	--	623	--	3.1	--	--	--	--	--
APR.											
06...	240	--	--	736	--	1.6	--	--	--	--	--
MAY											
25...	260	--	1.6	732	--	1.3	.00	.00	.0	.00	.00
JUNE											
27...	260	--	--	783	--	1.6	--	.00	.0	.00	.00
JULY											
11...	250	--	--	767	--	1.8	--	--	--	--	--
AUG.											
23...	240	86	1.9	759	2	1.6	--	--	--	--	--
SEP.											
29...	230	--	--	727	--	1.0	--	--	--	--	--
06610670 - MISSOURI RIVER AT BELLEVUE, NEBR. (LAT 41 08 35 LONG 095 53 00)											
OCT., 1971											
14...	240	--	2.0	754	--	1.2	.00	.00	.0	.00	.00
NOV.											
04...	230	--	--	743	--	1.8	--	--	--	--	--
DEC.											
02...	240	--	--	757	--	1.7	--	--	--	--	--
JAN., 1972											
31...	270	--	--	818	--	1.8	--	--	--	--	--
FEB.											
15...	250	--	2.0	804	--	2.2	.00	.00	.0	.00	.00
MAR.											
09...	190	--	--	601	--	7.4	--	--	--	--	--
APR.											
06...	250	--	--	737	--	1.0	--	--	--	--	--
MAY											
25...	250	--	1.5	716	--	1.8	.00	.00	.0	.00	.00
JUNE											
27...	270	--	--	770	--	4.1	--	.00	.0	.00	.00
JULY											
11...	250	--	--	761	--	1.6	--	--	--	--	--
AUG.											
22...	240	82	1.9	757	3	1.9	--	--	--	--	--
SEP.											
28...	240	--	--	770	--	1.5	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

MISSOURI RIVER MAIN STEM

06601200 - MISSOURI RIVER AT DECATUR, NEBR. (LAT 42 00 26 LONG 096 14 29)

DATE	DDT (UG/L) (39370)	DIELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTACHLOR (UG/L) (39410)	HEPTACHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BERYLLIUM (BE) (UG/L) (01010)
OCT., 1971											
14...	.00	.00	.00	.00	.00	.00	.00	.00	.00	--	--
14...	--	--	--	--	--	--	--	--	--	0	10
NOV.											
04...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
02...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1972											
31...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
15...	.00	.00	.00	.00	.00	.00	.00	.00	.00	4	0
MAR.											
09...	--	--	--	--	--	--	--	--	--	--	--
APR.											
06...	--	--	--	--	--	--	--	--	--	--	--
MAY											
25...	.00	.00	.00	.00	.00	.00	.03	.00	.00	3	0
JUNE											
27...	.00	.00	.00	.00	.00	.00	.04	.00	.00	--	--
JULY											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
23...	--	--	--	--	--	--	--	--	--	4	--
SEP.											
29...	--	--	--	--	--	--	--	--	--	--	--

06610670 - MISSOURI RIVER AT BELLEVUE, NEBR. (LAT 41 08 35 LONG 095 53 00)

DATE	DDT (UG/L) (39370)	DIELDRIN (UG/L) (39380)	ENDRIN (UG/L) (39390)	HEPTACHLOR (UG/L) (39410)	HEPTACHLOR EPOXIDE (UG/L) (39420)	LINDANE (UG/L) (39340)	2,4-D (UG/L) (39730)	2,4,5-T (UG/L) (39740)	SILVEX (UG/L) (39760)	DISSOLVED ARSENIC (AS) (UG/L) (01000)	DISSOLVED BERYLLIUM (BE) (UG/L) (01010)
OCT., 1971											
14...	.00	.00	.00	.00	.00	.00	.00	.00	.00	0	10
NOV.											
04...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
02...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1972											
31...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
15...	.00	.00	.00	.00	.00	.00	.00	.00	.00	3	0
MAR.											
09...	--	--	--	--	--	--	--	--	--	--	--
APR.											
06...	--	--	--	--	--	--	--	--	--	--	--
MAY											
25...	.00	.01	.00	.00	.00	.00	.05	.00	.00	4	0
JUNE											
27...	.00	.00	.00	.00	.00	.00	.04	.00	.00	--	--
JULY											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
22...	--	--	--	--	--	--	--	--	--	4	--
SEP.											
28...	--	--	--	--	--	--	--	--	--	--	--

06601200 - MISSOURI RIVER AT DECATUR, NEBR. (LAT 42 00 26 LONG 096 14 29)

DATE	DISSOLVED CADMIUM (CD) (UG/L) (01025)	DISSOLVED CHROMIUM (CR) (UG/L) (01030)	DISSOLVED COPPER (CU) (UG/L) (01040)	DISSOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DISSOLVED MERCURY (HG) (UG/L) (71890)	DISSOLVED MOLYBDENUM (MO) (UG/L) (01060)	DISSOLVED NICKEL (NI) (UG/L) (01065)	DISSOLVED SELENIUM (SE) (UG/L) (01145)	DISSOLVED SILVER (AG) (UG/L) (01075)	DISSOLVED ZINC (ZN) (UG/L) (01090)
OCT., 1971											
14...	--	--	--	--	--	--	--	--	--	--	--
14...	0	0	2	0	--	13	7	3	10	0	10
NOV.											
04...	--	--	--	--	--	--	--	--	--	--	--
DEC.											
02...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1972											
31...	--	--	--	--	--	--	--	--	--	--	--
FEB.											
15...	1	0	4	0	--	.2	4	5	4	0	20
MAR.											
09...	--	--	--	--	--	--	--	--	--	--	--
APR.											
06...	--	--	--	--	--	--	--	--	--	--	--
MAY											
25...	1	0	30	0	--	.1	2	10	5	0	60
JUNE											
27...	--	--	--	--	--	--	--	--	--	--	--
JULY											
11...	--	--	--	--	--	--	--	--	--	--	--
AUG.											
23...	1	0	20	2	4.9	.6	--	--	2	0	10
SEP.											
29...	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

MISSOURI RIVER MAIN STEM

06610670 - MISSOURI RIVER AT BELLEVUE, NEBR. (LAT 41 08 35 LONG 095 53 00)

DATE	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	TOTAL MERCURY (HG) (UG/L) (71900)	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
OCT., 1971 14...	0	0	6	0	--	17	7	4	10	0	20
NOV. 04...	--	--	--	--	--	--	--	--	--	--	--
DEC. 02...	--	--	--	--	--	--	--	--	--	--	--
JAN., 1972 31...	--	--	--	--	--	--	--	--	--	--	--
FEB. 15...	1	0	6	2	--	.2	5	9	3	0	20
MAR. 09...	--	--	--	--	--	--	--	--	--	--	--
APR. 06...	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	1	0	30	0	--	.2	0	10	7	1	50
JUNE 27...	--	--	--	--	--	--	--	--	--	--	--
JULY 11...	--	--	--	--	--	--	--	--	--	--	--
AUG. 22...	1	0	30	2	4.7	.4	--	--	4	0	10
SEP. 28...	--	--	--	--	--	--	--	--	--	--	--

FIELD DETERMINATIONS

06601200 - MISSOURI RIVER AT DECATUR, NEBR. (LAT 42 00 26 LONG 096 14 29)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT., 1971 14...	1600	49800	7.2	14.5	--	9.4	3700
NOV. 04...	1600	53000	7.6	7.5	25	10.7	2100
DEC. 02...	1515	47500	7.0	2.0	25	12.4	1500
JAN., 1972 31...	1630	22000	7.1	.5	10	13.2	840
FEB. 15...	1620	20000	7.2	.0	10	10.6	3200
MAR. 09...	1630	25500	7.0	1.5	60	12.1	2000
APR. 06...	1545	42800	7.8	9.5	35	11.6	1000
MAY 25...	1700	42700	7.7	21.0	60	7.5	2700
JUNE 27...	1600	42700	7.6	23.5	30	8.2	1600
JULY 11...	1620	47000	7.7	24.0	25	7.7	1700
AUG. 23...	1040	48900	7.7	22.5	25	7.1	3600
SEP. 24...	1030	48990	7.7	14.0	25	9.0	3400
29...	1030	49500	--	--	--	--	--

06610670 - MISSOURI RIVER AT BELLEVUE, NEBR. (LAT 41 08 35 LONG 095 53 00)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
OCT., 1971 14...	1145	49300	7.1	14.5	25	9.0	15000
NOV. 04...	1130	54900	7.0	8.0	30	10.5	28990
DEC. 02...	1130	50500	7.1	3.0	30	12.2	9300
JAN., 1972 31...	1130	21500	7.1	[illegible]	10	13.0	1600
FEB. 15...	1200	21300	7.2	.5	10	10.3	22990
MAR. 09...	1200	30400	7.1	2.0	140	11.3	41990
APR. 06...	1130	45800	7.9	9.5	30	11.3	19990
MAY 25...	1200	51800	8.0	20.0	90	7.4	19990
JUNE 27...	1135	44100	7.5	22.0	45	7.8	49990
JULY 11...	1140	48100	7.8	24.0	30	6.9	96990
AUG. 22...	1420	49400	7.8	25.0	25	6.7	45990
SEP. 28...	1530	51000	7.8	16.5	30	8.2	15990

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)
PLATTE RIVER BASIN							
06680100 - N PLATTE R NR SCOTTSBLUFF, NEBR. (LAT 41 51 45 LONG 103 43 23)							
SEP., 1972 13...	1200	711	880	7.7	19.0	7.9	2900
06681999 - N PLATTE R NR MINATARE NE (MAIN CH) (LAT 41 47 26 LONG 103 31 11)							
SEP., 1972 13...	1100	876	875	7.7	19.0	7.7	1500
06683100 - N PLATTE R AT BELMONT DIV DAM NR BAYARD NE (LAT 41 42 09 LONG 103 14 44)							
SEP., 1972 13...	0930	1270	935	7.7	18.0	7.8	670

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 44)											
AUG., 1972 28...	3.4	39	61	18	64	9.9	243	0	140	16	1.2
06687000 - BLUE C NR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)											
AUG., 1972 28...	3.0	53	22	3.1	9.5	5.9	105	0	6.8	2.1	.67
06692500 - LINCOLN CO DR 1 NR N PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)											
AUG., 1972 29...	135	29	88	21	90	12	284	0	220	25	2.6
06765150 - APPLEGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)											
AUG., 1972 29...	44	44	96	20	84	16	273	0	230	28	.60
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)											
AUG., 1972 29...	21	56	66	12	20	13	227	0	54	13	2.2
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)											
AUG., 1972 29...	6.6	22	62	20	81	11	231	0	190	22	.03
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)											
AUG., 1972 30...	2.0	49	58	20	56	14	186	25	150	17	1.0
06766050 - SHELDON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)											
AUG., 1972 30...	8.0	56	84	27	70	19	297	0	200	24	1.7
06766550 - ROWE DI NR DARR, NEBR. (LAT 40 48 34 LONG 099 53 17)											
AUG., 1972 30...	34	41	84	25	84	16	308	0	210	25	2.9
06766850 - NISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55 LONG 099 46 23)											
AUG., 1972 30...	5.5	47	98	23	63	15	292	0	200	25	1.1

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)
PLATTE RIVER BASIN										
06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 49)										
AUG., 1972 28...	.080	.020	140	473	.64	4.34	230	27	1.9	708
06687000 - BLUE C NR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)										
AUG., 1972 28...	.17	.14	40	157	.21	1.27	68	0	.5	187
06692500 - LINCOLN CO DR 1 NR N PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)										
AUG., 1972 29...	.080	.040	160	636	.87	232	310	73	2.2	929
06765150 - APPLEGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)										
AUG., 1972 29...	.070	.030	140	655	.89	77.8	320	98	2.0	955
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)										
AUG., 1972 29...	.040	.010	80	355	.48	20.1	210	28	.6	488
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)										
AUG., 1972 29...	.11	.11	160	522	.71	9.30	240	48	2.3	825
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)										
AUG., 1972 30...	.11	.080	100	485	.66	2.62	230	33	1.6	690
06766050 - SHELDON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)										
AUG., 1972 30...	.17	.12	140	634	.86	13.7	320	77	1.7	916
06766550 - ROWE DI NR DARR, NEBR. (LAT 40 48 34 LONG 099 53 17)										
AUG., 1972 30...	.20	.12	130	649	.88	59.6	310	60	2.1	972
06766850 - WISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55 LONG 099 46 23)										
AUG., 1972 30...	.17	.15	100	620	.84	9.21	340	100	1.5	903

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
PLATTE RIVER BASIN					
06685650 - CEDAR C NR BROADWATER, NEBR. (LAT 41 33 08 LONG 102 48 44)					
AUG., 1972					
28...	1330	3.4	7.5	26.0	8.6
06687000 - BLUE C NR LEWELLEN, NEBR. (LAT 41 20 07 LONG 102 10 21)					
AUG., 1972					
28...	1045	3.0	7.5	22.5	7.8
06692500 - LINCOLN CO DR 1 NR N PLATTE, NEBR. (LAT 41 09 40 LONG 100 47 25)					
AUG., 1972					
29...	1345	135	7.9	17.5	8.4
06765150 - APPLEGATE DR NR SUTHERLAND, NEBR. (LAT 41 08 21 LONG 101 08 23)					
AUG., 1972					
29...	1000	44	7.7	14.0	8.4
06765710 - FREMONT SL NR N PLATTE, NEBR. (LAT 41 06 02 LONG 100 45 55)					
AUG., 1972					
29...	1505	21	8.0	20.0	9.5
06765720 - FLOCK DR NR N PLATTE, NEBR. (LAT 41 06 41 LONG 100 40 23)					
AUG., 1972					
29...	1615	6.6	7.6	20.5	4.5
06765730 - STENGER DI NR MAXWELL, NEBR. (LAT 41 04 32 LONG 100 37 14)					
AUG., 1972					
30...	1635	2.0	8.6	27.5	11.6
06766050 - SHELDON DR NR GOTHENBURG, NEBR. (LAT 40 55 44 LONG 100 14 42)					
AUG., 1972					
30...	1450	8.0	8.4	25.0	11.4
06766550 - ROWE DI NR DARR, NEBR. (LAT 40 48 34 LONG 099 53 17)					
AUG., 1972					
30...	1230	34	8.0	20.0	8.0
06766850 - BISLEY-LAUBY DI NR LEXINGTON, NEBR. (LAT 40 44 55 LONG 099 46 23)					
AUG., 1972					
30...	1110	5.5	7.7	16.5	7.6

DATE	TIME	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)
06767040 - JOHNSON RES BL POWER PLANT 2, NR LEXINGTON, NEBR. (LAT 40 41 02 LONG 099 44 39)					
OCT., 1971					
27...	0915	220	841	10.5	2

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS) (00060)	DISSOLVED SILICA (SIO2) (MG/L) (00955)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)
PLATTE RIVER BASIN												
06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51 LONG 099 32 28)												
AUG., 1972 30...	25	29	--	--	75	20	80	15	276	190	25	.63
06770360 - DRY C NR DENMAN, NEBR. (LAT 40 40 41 LONG 098 43 21)												
AUG., 1972 29...	3.4	12	--	--	63	15	53	17	224	150	18	.01
06770489 - PLATTE R. S. OF GRAND ISLAND, NEBR. (CHAN 1) (LAT 40 50 57 LONG 098 20 23)												
OCT., 1971 20...	585	--	10	20	--	--	--	--	--	--	22	.35
NOV. 16...	572	--	10	0	--	--	--	--	--	--	24	.60
DEC. 16...	728	--	10	20	--	--	--	--	--	--	32	.52
06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 09 08)												
AUG., 1972 25...	4.8	55	--	--	87	14	15	17	347	23	8.0	.52
06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)												
AUG., 1972 25...	.38	55	--	--	80	16	17	22	342	34	2.7	1.4
06784300 - OAK C NR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 04)												
AUG., 1972 25...	7.0	49	--	--	60	15	12	12	288	13	2.5	.84
06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)												
AUG., 1972 30...	44	43	--	--	51	9.8	11	10	221	18	2.6	.45
06784800 - TURKEY C NR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)												
AUG., 1972 30...	22	41	--	--	43	8.2	12	9.9	181	16	2.2	.38
06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)												
AUG., 1972 30...	.70	34	--	--	85	17	12	10	359	16	4.6	.04
06794000 - BEAVER C AT GENOA, NEBR. (LAT 41 26 32 LONG 097 44 11)												
AUG., 1972 29...	37	36	--	--	54	9.5	12	4.1	224	10	2.7	.36
SEP. 21...	76	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	DIS-SOLVED COPPER (CU) (UG/L) (01040)
PLATTE RIVER BASIN											
06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51 LONG 099 32 28)											
AUG., 1972 30...	.61	.38	150	573	.78	270	43	2.1	881	1.9	--
06770360 - DRY C NR DENMAN, NEBR. (LAT 40 40 41 LONG 098 43 21)											
AUG., 1972 29...	.36	.29	120	438	.60	220	35	1.6	689	--	--
06770489 - PLATTE R. S. OF GRAND ISLAND, NEBR. (CHAN 1) (LAT 40 50 57 LONG 098 20 23)											
OCT., 1971 20...	--	.10	--	--	--	--	--	--	805	--	5
NOV. 16...	--	.080	--	--	--	--	--	--	854	--	2
DEC. 16...	--	.10	--	--	--	--	--	--	897	--	8
06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 09 08)											
AUG., 1972 25...	1.1	.84	90	392	.53	270	0	.4	596	--	--
06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)											
AUG., 1972 25...	.95	.62	70	401	.55	270	0	.5	607	--	--
06784300 - OAK C NR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 04)											
AUG., 1972 25...	.74	.58	40	309	.42	210	0	.4	483	--	--
06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)											
AUG., 1972 30...	.84	.41	50	256	.35	170	0	.4	392	2.2	--
06784800 - TURKEY C NR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)											
AUG., 1972 30...	.67	.37	50	223	.30	140	0	.4	330	--	--
06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)											
AUG., 1972 30...	.34	.19	70	355	.48	280	0	.3	583	3.5	--
06794000 - BEAVER C AT GENOA, NEBR. (LAT 41 26 32 LONG 097 44 11)											
AUG., 1972 29...	.53	.44	40	240	.33	170	0	.4	367	--	--
SEP. 21...	--	--	--	--	--	--	--	--	--	1.9	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

PLATTE RIVER BASIN

06768005 - SPRING (STREVER) C NR OVERTON, NEBR. (LAT 40 41 51 LONG 099 32 28)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
30...	0930	25	8.0	20.5	7.7

06770360 - DRY C NR DENMAN, NEBR. (LAT 40 40 41 LONG 098 43 21)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
29...	1505	3.4	8.0	25.0	--

06770489 - PLATTE R. S. OF GRAND ISLAND, NEBR. (CHAN 1) (LAT 40 50 57 LONG 098 20 23)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
OCT., 1971					
20...	1150	585	7.1	12.5	--
NOV.					
16...	1350	572	7.1	11.0	--
DEC.					
16...	1100	767	7.1	.0	--

06783300 - MUD C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 09 08)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
25...	1130	4.8	8.2	16.0	8.4

06783400 - CLEAR C NR LITCHFIELD, NEBR. (LAT 41 08 48 LONG 099 06 15)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
25...	1355	.38	8.1	19.5	8.2

06784300 - OAK C NR LOUP CITY, NEBR. (LAT 41 17 36 LONG 098 52 08)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
25...	0945	7.0	7.8	18.0	7.0

06784510 - OAK C AT DANNEBROG, NEBR. (LAT 41 06 35 LONG 098 33 01)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
30...	1152	44	8.0	21.0	7.1

06784800 - TURKEY C NR DANNEBROG, NEBR. (LAT 41 09 24 LONG 098 33 01)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
30...	1015	22	7.7	19.5	6.4

06791900 - TIMBER C NR BELGRADE, NEBR. (LAT 41 24 51 LONG 098 05 13)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
30...	1505	.70	7.9	21.0	5.7

06794000 - BEAVER C AT GENOA, NEBR. (LAT 41 26 32 LONG 097 48 11)

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	DIS-SOLVED OXYGEN (MG/L) (00300)
AUG., 1972					
29...	1530	37	7.5	26.0	8.4

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
PLATTE RIVER BASIN												
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)												
NOV., 1971												
30...	8.5	--	0	40	100	21	140	7.0	311	0	130	190
MAR., 1972												
15...	11	--	10	770	100	25	240	6.9	293	0	180	350
MAY												
02...	60	--	60	300	44	11	33	13	156	0	56	37
SEP.												
25...	3.2	25	--	--	110	25	220	8.7	296	0	180	320
06802600 - HICKMAN BRANCH AT ROCA, NEBR. (LAT 40 39 02 LONG 096 40 02)												
NOV., 1971												
30...	2.1	--	40	160	63	16	37	12	278	0	60	24
MAR., 1972												
15...	2.3	--	20	270	63	18	39	5.1	275	0	64	31
MAY												
02...	54	--	40	180	50	15	29	16	229	0	57	14
06803010 - SALT C. AT SALTILLO SIDING, NEBR. (LAT 40 41 51 LONG 096 41 00)												
SEP., 1972												
07...	5.2	--	--	--	--	--	--	--	--	--	--	--
06803085 - BEAL SLOUGH AT LINCOLN, NEBR. (LAT 40 46 13 LONG 096 42 47)												
NOV., 1971												
24...	.25	--	--	--	67	15	100	6.4	231	0	67	140
MAR., 1972												
15...	.08	--	40	160	74	23	68	12	320	0	110	51
MAY												
02...	4.4	--	40	200	87	23	46	13	336	0	100	28
06803098 - HAINES BRANCH AT LINCOLN, NEBR. (LAT 40 47 14 LONG 096 43 47)												
NOV., 1971												
12...	3.4	--	30	770	100	41	1700	10	409	0	400	2400
MAR., 1972												
28...	4.8	--	10	720	110	33	910	7.3	404	0	250	1300
MAY												
02...	51	--	50	470	68	17	130	14	245	0	93	180

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)											
NOV., 1971											
30...	.4	.25	1.1	.42	.17	.70	.33	.25	--	852	868
MAR., 1972											
15...	.5	.47	.64	.97	.10	.07	.34	.24	--	1180	1230
MAY											
02...	.4	1.5	3.9	1.9	.42	2.0	.97	.21	--	328	324
SEP.											
25...	.5	1.1	--	1.3	.16	.00	.60	.45	660	1120	--
06802600 - HICKMAN BRANCH AT ROCA, NEBR. (LAT 40 39 02 LONG 096 40 02)											
NOV., 1971											
30...	.3	.60	2.2	1.2	.60	.96	.73	.63	--	408	426
MAR., 1972											
15...	.4	.38	.64	.58	.20	.06	.33	.18	--	378	388
MAY											
02...	.4	1.1	2.3	1.4	.35	.88	.53	.20	--	342	362
06803010 - SALT C. AT SALTILLO SIDING, NEBR. (LAT 40 41 51 LONG 096 41 00)											
SEP., 1972											
07...	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED BORON (B) (UG/L) (01020)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)
PLATTE RIVER BASIN											
06803085 - BEAL SLOUGH AT LINCOLN, NEBR. (LAT 40 46 13 LONG 096 42 47)											
NOV., 1971 24...	.3	.34	1.8	.72	.38	1.1	.37	.28	--	622	630
MAR., 1972 15...	.6	1.8	2.9	2.3	.53	.55	2.5	2.1	--	588	620
MAY 02...	.3	.81	3.2	1.0	.19	2.2	.46	.23	--	528	524
06803098 - HAINES BRANCH AT LINCOLN, NEBR. (LAT 40 47 14 LONG 096 43 47)											
NOV., 1971 12...	.7	.19	.99	.70	.51	.29	.30	.18	--	4940	4960
MAR., 1972 28...	.7	.38	.60	.58	.20	.02	.27	.27	--	3280	3320
MAY 02...	.4	1.8	3.2	2.2	.41	1.0	.57	.12	--	684	688

DATE	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)											
NOV., 1971 30...	1.16	19.8	940	204	340	81	3.3	1310	20	9.0	0
MAR., 1972 15...	1.60	35.0	1250	270	350	110	5.6	1870	10	2.3	0
MAY 02...	.45	53.1	1500	262	160	27	1.2	408	200	4.6	0
SEP. 25...	1.52	9.68	--	--	380	130	4.9	1600	20	1.9	--
06802600 - HICKMAN BRANCH AT ROCA, NEBR. (LAT 40 39 02 LONG 096 40 02)											
NOV., 1971 30...	.55	2.37	514	158	220	0	1.1	613	200	1.7	0
MAR., 1972 15...	.51	2.35	384	126	230	6	1.1	592	5	2.2	0
MAY 02...	.47	49.9	614	156	190	0	.9	508	70	4.2	0
06803010 - SALT C. AT SALTILLO SIDING, NEBR. (LAT 40 41 51 LONG 096 41 00)											
SEP., 1972 07...	--	--	--	--	--	--	--	--	--	2.8	--
06803085 - BEAL SLOUGH AT LINCOLN, NEBR. (LAT 40 46 13 LONG 096 42 47)											
NOV., 1971 24...	.85	.42	660	148	230	40	2.9	795	50	7.5	0
MAR., 1972 15...	.80	.13	628	180	280	17	1.8	853	20	3.1	0
MAY 02...	.72	6.27	760	180	318	36	1.1	774	50	2.4	0
06803098 - HAINES BRANCH AT LINCOLN, NEBR. (LAT 40 47 14 LONG 096 43 47)											
NOV., 1971 12...	6.72	45.3	5060	920	420	83	36	8650	10	2.1	0
MAR., 1972 28...	4.46	42.5	3600	520	410	79	20	4970	5	1.7	0
MAY 02...	.93	94.2	1430	148	280	39	3.7	1130	50	3.0	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
PLATTE RIVER BASIN									
06801330 - SALT CREEK NEAR ROCA, NEBR. (LAT 40 38 41 LONG 096 41 11)									
NOV., 1971 30...	1200	8.6	8.0	1.5	20	12.1	710	3000	4900
MAR., 1972 15...	0910	11	8.2	7.5	20	11.0	80	110	1100
MAY 02...	0915	60	7.5	11.0	400	8.4	37990	39990	409900
SEP. 25...	0945	3.2	7.6	19.0	50	6.5	470	2500	2100
06802600 - HICKMAN BRANCH AT ROCA, NEBR. (LAT 40 39 02 LONG 096 40 02)									
NOV., 1971 30...	1115	2.1	7.7	2.0	45	11.0	2500	6000	10990
MAR., 1972 15...	0945	2.3	8.3	8.0	10	12.4	20	67	250
MAY 02...	1020	54	8.1	11.0	110	9.2	5600	8000	61990
06803010 - SALT C. AT SALTILLO SIDING, NEBR. (LAT 40 41 51 LONG 096 41 00)									
SEP., 1972 07...	1145	--	--	--	--	5.9	--	--	--
06803085 - BEAL SLOUGH AT LINCOLN, NEBR. (LAT 40 46 13 LONG 096 42 47)									
NOV., 1971 24...	1215	.25	7.7	4.0	45	11.4	3100	11990	22990
MAR., 1972 15...	1115	.08	8.0	12.0	20	13.6	1000	9200	2000
MAY 02...	1130	4.4	7.9	12.0	60	10.4	1900	10990	21990
06803098 - HAINES BRANCH AT LINCOLN, NEBR. (LAT 40 47 14 LONG 096 43 47)									
NOV., 1971 12...	1110	3.4	7.0	8.0	20	11.3	690	2000	2800
MAR., 1972 28...	0840	4.8	8.0	6.0	10	11.5	450	480	410
MAY 02...	1430	51	7.8	12.5	220	9.1	5600	5800	51990

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
06803470 - NORTH OAK CREEK NEAR VALPARAISO, NEBR. (LAT 41 03 39 LONG 096 50 05)											
NOV., 1971 12...	3.2	10	230	110	25	20	8.7	430	0	53	8.2
MAR., 1972 23...	3.7	20	860	82	20	18	7.3	347	0	52	9.7
MAY 03...	7.4	10	600	74	17	15	15	284	0	51	7.0
06803485 - ELK CREEK NEAR LINCOLN, NEBR. (LAT 40 52 41 LONG 096 47 10)											
NOV., 1971 12...	.69	20	1200	100	21	100	10	409	0	74	110
MAR., 1972 23...	1.0	20	1600	79	21	95	7.9	383	0	57	100
MAY 03...	5.0	200	820	73	18	44	16	297	0	60	45
06803512 - SALT C. AT HWY 77, AT LINCOLN, NEBR. (LAT 40 53 02 LONG 096 38 37)											
SEP., 1972 06...	87	--	--	--	--	--	--	--	--	--	--
12...	160	--	--	--	--	--	--	--	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PLATTE RIVER BASIN

06803515 - STEVENS CREEK NEAR WALTON, NEBR. (LAT 40 48 47 LONG 096 33 31)

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV., 1971 11...	1.0	10	430	79	19	41	9.0	337	0	72	21
MAR., 1972 22...	1.6	20	780	71	22	48	5.5	350	0	76	17
MAY 04...	12	20	390	79	24	50	12	343	0	110	18

06803534 - ROCK CREEK NEAR GREENWOOD, NEBR (LAT 40 57 55 LONG 096 29 52)

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV., 1971 09...	6.7	0	330	74	18	160	8.2	324	0	120	170
MAR., 1972 22...	12	80	1900	100	30	390	10	366	0	260	500
MAY 09...	37	30	610	68	20	150	15	281	0	120	170

06803537 - CAMP CREEK NEAR GREENWOOD, NEBR. (LAT 40 56 20 LONG 096 28 57)

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
NOV., 1971 11...	1.5	0	380	56	15	33	6.9	296	0	30	8.2
MAR., 1972 22...	2.6	10	880	50	16	40	4.1	335	0	32	7.6
MAY 04...	6.8	10	460	70	19	40	10	338	0	58	8.8

06803470 - NORTH OAK CREEK NEAR VALPARAISO, NEBR. (LAT 41 03 39 LONG 096 50 05)

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
NOV., 1971 12...	.4	.30	1.2	.67	.37	.56	.46	.41	434	446	.59
MAR., 1972 23...	.4	.49	.90	.70	.21	.20	.33	.20	396	398	.54
MAY 03...	.4	.61	2.5	1.3	.69	1.2	.45	.16	360	370	.49

06803485 - ELK CREEK NEAR LINCOLN, NEBR. (LAT 40 52 41 LONG 096 47 10)

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
NOV., 1971 12...	.4	.37	2.3	1.0	.63	1.3	.49	.48	660	664	.90
MAR., 1972 23...	.5	.55	1.0	.64	.09	.39	.45	.33	648	648	.88
MAY 03...	.4	1.1	3.5	1.6	.52	1.9	.45	.25	456	456	.62

06803512 - SALT C. AT HWY 77, AT LINCOLN, NEBR. (LAT 40 53 02 LONG 096 38 37)

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
SEP., 1972 06...	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--

06803515 - STEVENS CREEK NEAR WALTON, NEBR. (LAT 40 48 47 LONG 096 33 31)

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
NOV., 1971 11...	.3	.08	2.5	.92	.93	1.6	.52	.38	454	466	.62
MAR., 1972 22...	.5	.71	1.3	.82	.11	.45	.33	.20	440	452	.60
MAY 04...	.4	1.1	2.3	1.3	.19	1.0	.30	.21	514	524	.70

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00516)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
PLATTE RIVER BASIN											
06803534 - ROCK CREEK NEAR GREENWOOD, NEBR (LAT 40 57 55 LONG 096 29 52)											
NOV., 1971											
09...	.4	.09	1.5	.61	.52	.86	.54	.47	808	812	1.10
MAR., 1972											
22...	.6	1.1	1.4	1.2	.07	.21	.44	.32	1660	1710	2.26
MAY											
09...	.5	.51	4.5	1.1	.59	3.4	.41	.26	808	816	1.10
06803537 - CAMP CREEK NEAR GREENWOOD, NEBR. (LAT 40 56 20 LONG 096 28 57)											
NOV., 1971											
11...	.4	.20	2.8	.83	.63	2.0	.53	.40	338	356	.46
MAR., 1972											
22...	.4	.44	1.3	.75	.31	.52	.34	.16	358	368	.49
MAY											
04...	.4	.57	3.4	.96	.39	2.4	.42	.29	426	418	.58

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
06803470 - NORTH OAK CREEK NEAR VALPARAISO, NEBR. (LAT 41 03 39 LONG 096 50 05)										
NOV., 1971										
12...	3.76	496	162	380	25	.4	759	5	1.7	0
MAR., 1972										
23...	3.99	438	134	290	2	.5	606	20	2.4	0
MAY										
03...	7.19	672	140	250	22	.4	550	40	3.2	0
06803485 - ELK CREEK NEAR LINCOLN, NEBR. (LAT 40 52 41 LONG 096 47 10)										
NOV., 1971										
12...	1.23	736	192	340	1	2.4	1090	10	1.2	0
MAR., 1972										
23...	1.75	636	192	280	0	2.5	957	7	2.1	0
MAY										
03...	6.16	706	162	260	13	1.2	721	40	2.1	0
06803512 - SALT C. AT HWY 77, AT LINCOLN, NEBR. (LAT 40 53 02 LONG 096 38 37)										
SEP., 1972										
06...	--	--	--	--	--	--	--	--	10	--
12...	--	--	--	--	--	--	--	--	18	--
06803515 - STEVENS CREEK NEAR WALTON, NEBR. (LAT 40 48 47 LONG 096 33 31)										
NOV., 1971										
11...	1.29	482	150	280	0	1.1	701	30	1.7	0
MAR., 1972										
22...	1.90	480	152	270	0	1.3	674	0	2.9	0
MAY										
04...	16.8	598	172	300	15	1.3	768	50	3.8	0
06803534 - ROCK CREEK NEAR GREENWOOD, NEBR (LAT 40 57 55 LONG 096 29 52)										
NOV., 1971										
09...	14.7	1090	408	260	0	4.3	1260	20	1.5	0
MAR., 1972										
22...	53.8	1590	300	370	73	8.8	2560	20	2.9	0
MAY										
09...	80.7	1010	160	250	22	4.1	1200	50	2.2	0
06803537 - CAMP CREEK NEAR GREENWOOD, NEBR. (LAT 40 56 20 LONG 096 28 57)										
NOV., 1971										
11...	1.37	400	108	200	0	1.0	536	30	1.5	0
MAR., 1972										
22...	2.51	426	118	210	0	1.2	569	10	3.6	0
MAY										
04...	7.82	610	168	250	0	1.1	641	40	1.9	0

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DIS-CHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPER-ATURE (DEG C) (00010)	TUR-BID-ITY (JTU) (00070)	DIS-SOLVED OXYGEN (MG/L) (00300)	FECAL COLI-FORM (COL. PER 100 ML) (31616)	IMME-DIATE COLI-FORM (COL. PER 100 ML) (31501)	STREP-TOCOCCI (COL-ONIES PER 100 ML) (31679)
PLATTE RIVER BASIN									
06803470 - NORTH OAK CREEK NEAR VALPARAISO, NEBR. (LAT 41 03 39 LONG 096 50 05)									
NOV., 1971									
12...	0915	3.2	6.7	4.0	8	10.0	1200	15990	1800
MAR., 1972									
23...	0915	3.7	8.1	5.0	10	12.4	420	2000	480
MAY									
03...	0930	7.4	7.9	10.5	130	9.0	9300	21990	44990
06803485 - ELK CREEK NEAR LINCOLN, NEBR. (LAT 40 52 41 LONG 096 47 10)									
NOV., 1971									
12...	1015	.69	7.5	4.5	30	11.6	590	1700	2600
MAR., 1972									
23...	1010	1.0	8.3	5.5	15	14.2	30	67	130
MAY									
03...	1030	5.0	7.8	11.5	80	9.1	2700	5900	49990
06803512 - SALT C. AT HWY 77, AT LINCOLN, NEBR. (LAT 40 53 02 LONG 096 38 37)									
SEP., 1972									
06...	1555	--	--	--	--	4.8	--	--	--
12...	1122	--	--	--	--	2.4	--	--	--
06803515 - STEVENS CREEK NEAR WALTON, NEBR. (LAT 40 48 47 LONG 096 33 31)									
NOV., 1971									
11...	0930	1.0	7.7	3.0	15	9.5	190	1600	960
MAR., 1972									
22...	1310	1.6	6.7	12.0	15	14.8	20	32	84
MAY									
04...	1030	12	7.9	12.5	30	9.8	6600	35990	3300
06803534 - ROCK CREEK NEAR GREENWOOD, NEBR (LAT 40 57 55 LONG 096 29 52)									
NOV., 1971									
09...	1240	6.7	7.0	4.0	60	12.0	950	2100	4700
MAR., 1972									
22...	1110	12	8.3	9.0	35	10.2	93	300	800
MAY									
09...	1325	37	7.9	14.0	65	9.6	4100	10990	14990
06803537 - CAMP CREEK NEAR GREENWOOD, NEBR. (LAT 40 56 20 LONG 096 28 57)									
NOV., 1971									
11...	1200	1.5	7.7	5.0	30	10.5	700	800	1100
MAR., 1972									
22...	0900	2.6	7.9	6.0	30	9.7	620	600	220
MAY									
04...	1120	6.8	7.8	14.0	40	9.5	860	1000	3300

DATE	DIS-CHARGE (CFS) (00060)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)
06803550 - DEE CREEK AT GREENWOOD, NEBR. (LAT 40 56 58 LONG 096 27 20)											
NOV., 1971											
11...	.98	20	730	70	18	41	5.9	371	0	30	4.5
MAR., 1972											
22...	1.4	20	720	57	17	43	4.5	349	0	31	5.1
MAY											
04...	2.8	10	640	78	21	43	10	378	0	58	8.6
06803556 - GREENWOOD CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 08 LONG 096 25 04)											
NOV., 1971											
09...	.64	0	800	81	19	40	6.7	368	0	68	4.6
MAR., 1972											
16...	.72	30	710	71	20	44	5.2	367	0	60	5.9
MAY											
04...	1.7	10	780	90	24	53	11	406	0	100	7.4

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DISCHARGE (CFS) (00060)	DISSOLVED IRON (FE) (UG/L) (01046)	DISSOLVED MANGANESE (MN) (UG/L) (01056)	DISSOLVED CALCIUM (CA) (MG/L) (00915)	DISSOLVED MAGNESIUM (MG) (MG/L) (00925)	DISSOLVED SODIUM (NA) (MG/L) (00930)	DISSOLVED POTASSIUM (K) (MG/L) (00935)	BICARBONATE (HCO3) (MG/L) (00440)	CARBONATE (CO3) (MG/L) (00445)	DISSOLVED SULFATE (SO4) (MG/L) (00945)	DISSOLVED CHLORIDE (CL) (MG/L) (00940)
PLATTE RIVER BASIN											
06803563 - CALLAHAN CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 59 LONG 096 24 13)											
NOV., 1971 09...	1.9	0	270	63	15	36	8.7	287	0	53	13
MAR., 1972 16...	2.8	20	840	59	17	55	4.2	314	0	37	40
MAY 04...	5.6	20	630	70	19	37	11	338	0	50	9.0
06803567 - SALT C. AT ASHLAND, NEBR. (LAT 41 02 03 LONG 096 22 02)											
SEP., 1972 07...	107	--	--	--	--	--	--	--	--	--	--
06805000 - SALT CREEK NEAR ASHLAND, NEBR (LAT 41 02 50 LONG 096 20 30)											
NOV., 1971 09...	135	20	160	95	27	960	14	322	0	290	1400
MAR., 1972 16...	115	20	650	88	23	730	14	317	0	230	1000
MAY 09...	454	40	140	63	17	190	16	231	0	120	250
06805005 - SALT C. AT MOUTH, NR. ASHLAND, NEBR. (LAT 41 02 07 LONG 096 18 48)											
SEP., 1972 08...	144	--	--	--	--	--	--	--	--	--	--

DATE	DISSOLVED FLUORIDE (F) (MG/L) (00950)	ORGANIC NITROGEN (N) (MG/L) (00605)	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED SOLIDS (RESIDUE AT 180 C) (MG/L) (70300)	TOTAL FILTRABLE RESIDUE (MG/L) (00515)	DISSOLVED SOLIDS (TONS PER AC-FT) (70303)
06803550 - DEE CREEK AT GREENWOOD, NEBR. (LAT 40 56 58 LONG 096 27 20)											
NOV., 1971 11...	.4	.00	2.6	.61	.81	2.0	.25	.19	402	412	.55
MAR., 1972 22...	.5	.19	1.2	.59	.40	.62	.17	.14	358	366	.49
MAY 04...	.4	.36	3.1	.65	.29	2.4	.26	.16	462	472	.63
06803558 - GREENWOOD CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 08 LONG 096 25 04)											
NOV., 1971 09...	.4	.07	2.5	.69	.62	1.8	.42	.23	452	458	.61
MAR., 1972 16...	.5	.50	.90	.64	.18	.26	.25	.18	430	436	.58
MAY 04...	.4	.64	3.6	1.0	.36	2.6	.42	.24	560	544	.76
06803563 - CALLAHAN CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 59 LONG 096 24 13)											
NOV., 1971 09...	.4	.24	3.3	.78	.54	2.5	1.4	.38	368	378	.50
MAR., 1972 16...	.5	.49	1.8	.71	.22	1.1	.22	.23	404	410	.55
MAY 04...	.4	.52	4.3	.94	.42	3.4	.48	.27	424	426	.58
06803567 - SALT C. AT ASHLAND, NEBR. (LAT 41 02 03 LONG 096 22 02)											
SEP., 1972 07...	--	--	--	--	--	--	--	--	--	--	--

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)	TOTAL NITRO-GEN (N) (MG/L) (00600)	TOTAL KJEL-DAHL NITRO-GEN (N) (MG/L) (00625)	DIS-SOLVED AMMONIA NITRO-GEN (N) (MG/L) (00608)	DIS-SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS-PHORUS (P) (MG/L) (00665)	DIS-SOL-VED-PHOS-PHORUS (P) (MG/L) (00666)	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	TOTAL FILT-RABLE RESIDUE (MG/L) (00515)	DIS-SOLVED SOLIDS (TONS PER AC-FT) (70303)
PLATTE RIVER BASIN											
06805000 - SALT CREEK NEAR ASHLAND, NEBR (LAT 41 02 50 LONG 096 20 30)											
NOV., 1971 09...	.7	.00	5.4	3.9	4.4	1.5	2.1	1.9	3220	3240	4.38
MAR., 1972 16...	.9	.30	4.2	3.3	3.0	.88	2.8	2.5	2480	2560	3.37
MAY 09...	.6	.98	4.4	1.8	.82	2.6	.72	.38	892	908	1.21
06805005 - SALT C. AT MOUTH, NR. ASHLAND, NEBR. (LAT 41 02 07 LONG 096 18 48)											
SEP., 1972 08...	--	--	--	--	--	--	--	--	--	--	--

DATE	DIS-SOLVED SOLIDS (TONS PER DAY) (70302)	TOTAL RESI-DUE (MG/L) (00500)	LOSS ON IGNI-TION (MG/L) (00505)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	BIO-CHEM-ICAL OXYGEN DEMAND (MG/L) (00310)	HEXA-VALENT CHRO-MIUM (CR6) (UG/L) (01032)
06803550 - DEE CREEK AT GREENWOOD, NEBR. (LAT 40 56 58 LONG 096 27 20)										
NOV., 1971 11...	1.06	416	108	250	0	1.1	629	10	2.5	0
MAR., 1972 22...	1.36	368	94	210	0	1.3	573	0	1.5	0
MAY 04...	3.49	524	136	280	0	1.1	688	20	1.4	0
06803558 - GREENWOOD CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 08 LONG 096 25 04)										
NOV., 1971 09...	.78	532	156	280	0	1.0	693	30	1.7	0
MAR., 1972 16...	.84	426	132	260	0	1.2	654	5	2.2	0
MAY 04...	2.60	868	208	320	0	1.3	818	20	1.7	0
06803563 - CALLAHAN CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 59 LONG 096 24 13)										
NOV., 1971 09...	1.93	398	146	220	0	1.1	546	20	2.2	0
MAR., 1972 16...	3.05	362	122	220	0	1.6	543	10	2.0	0
MAY 04...	6.41	550	156	250	0	1.0	629	40	2.7	0
06803567 - SALT C. AT ASHLAND, NEBR. (LAT 41 02 03 LONG 096 22 02)										
SEP., 1972 07...	--	--	--	--	--	--	--	--	4.6	--
06805000 - SALT CREEK NEAR ASHLAND, NEBR (LAT 41 02 50 LONG 096 20 30)										
NOV., 1971 09...	1170	3280	960	350	84	22	5320	20	3.0	0
MAR., 1972 16...	770	2480	100	310	54	18	4110	10	4.2	0
MAY 09...	1090	1430	256	230	38	5.5	1400	60	2.6	0
06805005 - SALT C. AT MOUTH, NR. ASHLAND, NEBR. (LAT 41 02 07 LONG 096 18 48)										
SEP., 1972 08...	--	--	--	--	--	--	--	--	5.0	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

WATER QUALITY DATA, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

FIELD DETERMINATIONS

DATE	TIME	DISCHARGE (CFS) (00060)	PH (UNITS) (00400)	TEMPERATURE (DEG C) (00010)	TURBIDITY (JTU) (00070)	DISSOLVED OXYGEN (MG/L) (00300)	FECAL COLIFORM (COL. PER 100 ML) (31616)	IMMEDIATE COLIFORM (COL. PER 100 ML) (31501)	STREPTOCOCCI (COLONIES PER 100 ML) (31679)
PLATTE RIVER BASIN									
06803550 - DEE CREEK AT GREENWOOD, NEBR. (LAT 40 56 58 LONG 096 27 20)									
NOV., 1971									
11...	1030	.98	8.1	4.0	10	11.0	260	860	1700
MAR., 1972									
22...	0940	1.4	8.2	7.5	10	10.9	45	280	190
MAY									
04...	1315	2.8	7.9	14.0	30	10.1	360	1200	4200
06803558 - GREENWOOD CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 08 LONG 096 25 08)									
NOV., 1971									
09...	1145	.64	7.1	3.5	35	11.3	1800	2700	2700
MAR., 1972									
16...	1145	.72	8.3	10.0	10	13.9	9	47	150
MAY									
04...	1400	1.7	7.8	17.0	40	8.5	470	2000	24990
06803563 - CALLAHAN CREEK NEAR GREENWOOD, NEBR. (LAT 40 59 59 LONG 096 24 13)									
NOV., 1971									
09...	1100	1.9	7.0	2.5	25	10.7	210	2200	1500
MAR., 1972									
16...	1110	2.8	8.2	8.0	20	10.0	90	140	280
MAY									
04...	1430	5.6	7.9	17.0	50	8.6	2400	2800	4700
06803567 - SALT C. AT ASHLAND, NEBR. (LAT 41 02 03 LONG 096 22 02)									
SEP., 1972									
07...	1950	--	--	--	--	7.8	--	--	--
06805000 - SALT CREEK NEAR ASHLAND, NEBR (LAT 41 02 50 LONG 096 20 30)									
NOV., 1971									
09...	0915	135	7.1	2.0	15	10.0	21990	90990	6500
MAR., 1972									
16...	0915	115	8.1	9.0	20	8.2	1600	9999	100
MAY									
09...	0930	454	7.7	12.0	170	7.8	10990	129900	17990
06805005 - SALT C. AT MOUTH, NR. ASHLAND, NEBR. (LAT 41 02 07 LONG 096 18 48)									
SEP., 1972									
08...	1300	--	--	--	--	10.0	--	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PLATTE RIVER BASIN

06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
JULY, 1972 21...	1450	25.0	785	555	1180	11	12

06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
JULY, 1972 21...	1730	25.5	3620	4540	44400	44	57

06799450 - LOGAN CREEK AT PENDER, NEBR. (LAT 42 06 40 LONG 096 42 00)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
JULY, 1972 17...	1230	25.0	3590	22600	219000	42	49
17...	1610	25.0	4530	14800	181000	45	53
20...	1320	21.0	8410	12200	277000	41	46

06805010 - PLATTE R NR SOUTH BEND, NE (LAT 41 01 30 LONG 096 17 50.01)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
MAY , 1972 25...	1100	21.0	18700	8520	430000	22	30
JULY 07...	0930	21.0	2060	310	1720	--	--

KANSAS RIVER BASIN

06834000 - FRENCHMAN RIVER AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT., 1971 27...	1200	10.5	37	126	13	--	--
NOV. 23...	1015	5.0	36	54	5.2	--	--
DEC. 20...	1140	.5	37	116	12	--	--
JAN., 1972 17...	1330	.0	43	140	16	--	--
FEB. 14...	1100	.0	49	191	25	--	--
MAR. 13...	1130	13.5	41	874	97	10	13
APR. 11...	1010	20.0	22	56	3.3	--	--
MAY 08...	1240	15.0	25	74	5.0	--	--
JUNE 20...	1130	18.0	46	452	56	--	--
JULY 03...	1330	19.5	47	375	48	--	--
19...	1050	21.0	312	915	771	--	--
31...	1115	23.0	296	838	670	--	--
AUG. 14...	1345	25.0	305	944	778	7	8
31...	1000	21.0	310	988	827	8	8
SEP. 11...	1125	21.0	94	300	76	--	--

06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)

DATE	TIME	TEMPER- ATURE (DEG C) (00010)	DIS- CHARGE (CFS) (00060)	SUS- PENDED SEDI- MENT (MG/L) (80154)	SUS- PENDED SEDI- MENT DIS- CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
OCT., 1971 27...	1300	10.5	34	652	60	--	--
NOV. 23...	1200	4.5	43	572	66	--	--
DEC. 20...	1015	.0	39	674	71	--	--
JAN., 1972 17...	1420	.0	38	570	58	--	--
FEB. 14...	0945	.0	43	572	66	--	--
MAR. 13...	1040	9.0	46	1010	125	14	16
APR. 11...	1315	15.5	40	739	80	13	14
MAY 08...	1130	13.0	40	610	66	--	--
JUNE 20...	1020	18.0	75	1600	324	25	30
JULY 03...	1430	16.0	43	1330	154	25	29
19...	1305	22.0	31	726	61	--	--
31...	1315	24.5	26	690	48	--	--
AUG. 16...	1450	25.0	19	399	20	--	--
SEP. 11...	1025	20.0	29	814	64	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
PLATTE RIVER BASIN							
06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)							
JULY, 1972							
21...	18	--	43	66	93	100	--
06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)							
JULY, 1972							
21...	63	--	78	87	95	98	100
06799450 - LOGAN CREEK AT PENDER, NEBR. (LAT 42 06 48 LONG 096 42 08)							
JULY, 1972							
17...	68	--	99	100	--	--	--
17...	72	--	97	98	99	100	--
26...	64	--	95	97	98	100	--
06805010 - PLATTE R NR SOUTH BEND, NE (LAT 41 01 30 LONG 096 17 50.01)							
MAY , 1972							
25...	69	--	96	98	99	100	--
JULY							
07...	--	84	--	--	--	--	--
KANSAS RIVER BASIN							
06834000 - FRENCHMAN RIVER AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)							
OCT., 1971							
27...	--	--	61	86	100	--	--
NOV.							
23...	--	71	--	--	--	--	--
DEC.							
20...	--	--	77	97	100	--	--
JAN., 1972							
17...	--	--	--	--	--	--	--
FEB.							
14...	--	--	--	--	--	--	--
MAR.							
13...	27	--	92	96	100	--	--
APR.							
11...	--	--	--	--	--	--	--
MAY							
08...	--	--	--	--	--	--	--
JUNE							
20...	--	92	--	--	--	--	--
JULY							
03...	--	--	85	91	96	100	--
19...	--	--	70	87	96	100	--
31...	--	--	--	--	--	--	--
AUG.							
14...	11	--	48	90	96	100	--
31...	13	--	60	84	94	100	--
SEP.							
11...	--	--	76	88	97	100	--
06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)							
OCT., 1971							
27...	--	--	89	99	100	--	--
NOV.							
23...	--	--	87	100	--	--	--
DEC.							
20...	--	--	84	99	100	--	--
JAN., 1972							
17...	--	--	--	--	--	--	--
FEB.							
14...	--	--	--	--	--	--	--
MAR.							
13...	25	--	77	86	96	100	--
APR.							
11...	22	--	82	93	99	100	--
MAY							
08...	--	--	--	--	--	--	--
JUNE							
20...	46	--	94	99	100	--	--
JULY							
03...	53	--	83	99	99	100	--
19...	--	--	89	100	--	--	--
31...	--	--	--	--	--	--	--
AUG.							
14...	--	--	93	99	100	--	--
SEP.							
11...	--	--	92	99	100	--	--

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

INSTANTANEOUS SUSPENDED SEDIMENT AND PARTICLE SIZE, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

KANSAS RIVER BASIN

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	DIS-CHARGE (CFS) (00060)	SUS-PENDED SEDI-MENT (MG/L) (80154)	SUS-PENDED SEDI-MENT DIS-CHARGE (T/DAY) (80155)	SUS. SED. FALL DIAM. % FINER THAN .002 MM (70337)	SUS. SED. FALL DIAM. % FINER THAN .004 MM (70338)
06879900 - BIG BLUE RIVER AT SURPRISE, NEBR. (LAT 41 06 05 LONG 097 18 35)							
JUNE, 1972							
20...	1330	24.0	515	3800	5280	69	78
21...	1200	24.0	255	1930	1330	86	93
JULY							
12...	1230	23.5	2530	2680	18300	56	70
12...	1700	23.5	3610	1690	16500	67	78
13...	1240	24.5	1980	790	4220	77	83
14...	1145	25.0	318	542	465	--	--
06881200 - TURKEY CREEK NEAR WILBER, NEBRASKA (LAT 40 28 48 LONG 097 08 43)							
JULY, 1972							
12...	1330	24.0	755	5780	11800	67	74
13...	1650	25.0	1090	1300	3830	--	--
14...	1305	25.5	1110	942	2820	85	88

DATE	SUS. SED. FALL DIAM. % FINER THAN .016 MM (70340)	SUS. SED. SIEVE DIAM. % FINER THAN .062 MM (70331)	SUS. SED. FALL DIAM. % FINER THAN .062 MM (70342)	SUS. SED. FALL DIAM. % FINER THAN .125 MM (70343)	SUS. SED. FALL DIAM. % FINER THAN .250 MM (70344)	SUS. SED. FALL DIAM. % FINER THAN .500 MM (70345)	SUS. SED. FALL DIAM. % FINER THAN 1.00 MM (70346)
06879900 - BIG BLUE RIVER AT SURPRISE, NEBR. (LAT 41 06 05 LONG 097 18 35)							
JUNE, 1972							
20...	87	100	--	--	--	--	--
21...	95	100	--	--	--	--	--
JULY							
12...	82	100	--	--	--	--	--
12...	88	--	99	99	99	100	--
13...	87	--	96	95	96	97	99
14...	--	98	--	--	--	--	--
06881200 - TURKEY CREEK NEAR WILBER, NEBRASKA (LAT 40 28 48 LONG 097 08 43)							
JULY, 1972							
12...	88	100	--	--	--	--	--
13...	--	--	--	--	--	--	--
14...	90	99	--	--	--	--	--

PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

PLATTE RIVER BASIN

DATE	TIME	TEMPER-ATURE (DEG C) (00010)	NUMBER OF SAM-PLING POINTS (00063)	DIS-CHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)
06798500 - ELKHORN RIVER AT NELIGH, NEBR. (LAT 42 07 20 LONG 098 01 40)												
JULY, 1972												
21...	1450	25.0	4	785	0	6	46	75	92	99	100	--
06799000 - ELKHORN RIVER NEAR NORFOLK, NEBR. (LAT 42 00 20 LONG 097 28 40)												
JULY, 1972												
21...	1730	25.5	3	3620	0	4	45	82	96	99	100	--
06799450 - LOGAN CREEK AT PENDER, NEBR. (LAT 42 06 40 LONG 096 42 00)												
JULY, 1972												
17...	1230	25.0	2	3590	0	1	26	94	100	--	--	--
17...	1610	25.0	3	4530	6	9	24	65	97	99	100	--
20...	1320	21.0	3	8410	0	4	17	74	89	97	100	--
06805010 - PLATTE R NR SOUTH BEND, NE (LAT 41 01 30 LONG 096 17 50.01)												
MAY , 1972												
25...	1100	21.0	5	18700	0	6	31	66	91	97	99	100

ANALYSES OF SAMPLES COLLECTED AT MISCELLANEOUS SITES

PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	TIME	TEMPERATURE (DEG C) (00010)	NUMBER OF SAMPLING POINTS (00063)	DISCHARGE (CFS) (00060)	BED MAT. FALL DIAM. % FINER THAN .062 MM (80158)	BED MAT. FALL DIAM. % FINER THAN .125 MM (80159)	BED MAT. FALL DIAM. % FINER THAN .250 MM (80160)
KANSAS RIVER BASIN							
06834000 - FRENCHMAN RIVER AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)							
OCT., 1971							
27...	1200	10.5	9	37	1	2	12
NOV.							
23...	1015	5.0	16	36	0	1	8
DEC.							
20...	1140	.5	9	37	--	0	8
JAN., 1972							
17...	1330	.0	9	43	--	0	9
FEB.							
14...	1100	.0	10	49	0	1	7
MAR.							
13...	1130	13.5	9	41	--	0	6
APR.							
11...	1410	20.0	9	22	--	0	4
MAY							
08...	1240	15.0	9	25	--	0	8
JUNE							
20...	1130	18.0	8	46	--	0	6
JULY							
03...	1330	19.5	14	47	--	0	9
19...	1050	21.0	16	312	--	0	12
31...	1115	23.0	16	296	--	0	10
AUG.							
14...	1345	25.0	15	305	2	9	28
31...	1000	21.0	16	310	--	0	17
SEP.							
11...	1125	21.0	9	94	--	0	12
06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)							
OCT., 1971							
27...	1300	10.5	8	34	3	16	26
NOV.							
23...	1200	4.5	8	43	5	14	22
DEC.							
20...	1015	.0	9	39	6	17	24
MAR., 1972							
13...	1040	9.0	8	46	4	20	32
APR.							
11...	1315	15.5	8	48	3	18	26
MAY							
08...	1130	13.0	7	40	3	17	20
JUNE							
20...	1020	18.0	9	75	2	8	15
JULY							
03...	1430	16.0	9	43	1	5	9
19...	1305	22.0	8	31	1	9	17
31...	1315	24.5	8	26	4	15	20
AUG.							
14...	1450	25.0	7	19	4	18	36
SEP.							
11...	1025	20.0	11	29	2	10	16
06879900 - BIG BLUE RIVER AT SURPRISE, NEBR. (LAT 41 06 05 LONG 097 18 35)							
JUNE, 1972							
20...	1330	24.0	6	515	49	53	57
06881200 - TURKEY CREEK NEAR WILBER, NEBRASKA (LAT 40 28 48 LONG 097 00 43)							
JULY, 1972							
12...	1330	24.0	5	755	7	12	18

PARTICLE SIZE OF BED MATERIAL, WATER YEAR OCTOBER 1971 TO SEPTEMBER 1972

DATE	BED MAT. FALL DIAM. % FINER THAN .500 MM (80161)	BED MAT. FALL DIAM. % FINER THAN 1.00 MM (80162)	BED MAT. SIEVE DIAM. % FINER THAN 2.00 MM (80169)	BED MAT. SIEVE DIAM. % FINER THAN 4.00 MM (80170)	BED MAT. SIEVE DIAM. % FINER THAN 8.00 MM (80171)	BED MAT. SIEVE DIAM. % FINER THAN 16.0 MM (80172)	BED MAT. SIEVE DIAM. % FINER THAN 32.0 MM (80173)
KANSAS RIVER BASIN							
06834000 - FRENCHMAN RIVER AT PALISADE, NEBR. (LAT 40 20 50 LONG 101 07 40)							
OCT., 1971							
27...	47	77	90	96	99	100	--
NOV.							
23...	39	67	84	93	99	100	--
DEC.							
20...	52	72	85	93	98	100	--
JAN., 1972							
17...	49	83	91	97	100	--	--
FEB.							
14...	46	80	90	97	100	--	--
MAR.							
13...	34	68	95	98	99	100	--
APR.							
11...	32	74	93	99	100	--	--
MAY							
08...	41	78	92	97	100	--	--
JUNE							
20...	27	59	81	90	96	100	--
JULY							
03...	44	73	88	94	98	100	--
19...	56	81	95	98	99	100	--
31...	42	75	94	98	100	--	--
AUG.							
14...	58	90	96	99	100	--	--
31...	48	77	96	99	100	--	--
SEP.							
11...	50	84	96	98	99	100	--
06835000 - STINKING WATER CREEK NEAR PALISADE, NEBR. (LAT 40 22 10 LONG 101 06 50)							
OCT., 1971							
27...	40	49	60	77	95	100	--
NOV.							
23...	35	44	59	75	96	100	--
DEC.							
20...	37	44	57	74	92	100	--
MAR., 1972							
13...	42	53	64	77	92	98	100
APR.							
11...	34	43	50	71	87	95	100
MAY							
08...	41	59	68	74	87	94	100
JUNE							
20...	35	54	73	83	98	100	--
JULY							
03...	19	35	56	71	88	99	100
19...	33	46	60	73	90	98	100
31...	31	45	66	77	92	97	100
AUG.							
14...	66	85	98	100	--	--	--
SEP.							
11...	29	39	57	71	90	98	100
06879900 - BIG BLUE RIVER AT SURPRISE, NEBR. (LAT 41 06 05 LONG 097 18 35)							
JUNE, 1972							
20...	60	62	76	94	100	--	--
06881200 - TURKEY CREEK NEAR WILBER, NEBRASKA (LAT 40 28 48 LONG 097 00 43)							
JULY, 1972							
12...	52	82	96	99	100	--	--

LOCAL IDENT- I- FIER		LAT- I- TUDE	LONG- I- TUDE	SEQ. NO.	GEO- LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS- SOLVED SILICA (SIO2) (MG/L) (00955)	DIS- SOLVED IRON (FE) (UG/L) (01046)	DIS- SOLVED MAN- GANESE (MN) (UG/L) (01056)	DIS- SOLVED CAL- CIUM (CA) (MG/L) (00915)
Adams County											
7N 9W11DC	1	40 35 03	098 18 13	01	112SDGV	200	72-02-17	29	20	10	90
					112SDGV	200	72-06-14	28	10	0	64
8N 12W19BC	3	40 37 10	098 39 51	03	112SDGV	200	72-02-17	14	10	0	38
					112SDGV	200	72-06-14	32	10	0	44
Clay County											
6N 8W 8CB	3	40 30 03	098 15 29	03	112SDGV	192	72-02-29	31	10	0	41
					112SDGV	192	72-06-14	28	10	0	40
7N 5W 2AA	1	40 36 34	097 50 43	01	112SDGV	215	72-02-18	34	20	0	66
					112SDGV	215	72-06-14	33	10	10	67
8N 7W27DC	1	40 37 39	098 05 48	01	112SDGV	204	72-02-18	34	20	10	61
					112SDGV	204	72-06-14	33	20	0	60
Custer County											
19N 22W24CCCC	1	41 30 30	099 48 27	01	--	179	72-06-06	52	10	0	40
Fillmore County											
5N 4W12BD	1	40 25 00	097 43 14	01	112SDGV	131	72-02-18	37	20	40	52
					112SDGV	131	72-06-14	34	10	10	52
7N 3W36DD	1	40 31 45	097 36 09	01	112SDGV	196	72-02-18	32	20	380	59
					112SDGV	196	72-06-14	31	20	410	59
8N 1W20DD	2	40 38 43	097 27 06	02	112SDGV	306	72-02-29	33	10	520	99
					112SDGV	306	72-06-15	31	10	150	110
Hall County											
10N 9W11AC	1	40 51 06	098 18 29	01	112SDGV	125	71-10-20	--	20	30	--
					112SDGV	125	71-11-15	--	20	20	--
					112SDGV	125	71-12-16	--	40	40	--
11N 9W 3DC	1	40 56 47	098 19 37	01	112SDGV	60	71-10-21	--	0	30	--
					112SDGV	60	71-11-15	--	10	20	--
					112SDGV	60	71-12-17	--	10	10	--
11N 9W 8CB	1	40 56 14	098 22 27	01	112SDGV	141	71-11-15	--	10	10	--
					112SDGV	141	71-12-16	--	10	20	--
11N 9W 8DA	2	40 56 08	098 21 37	02	112SDGV	101	71-10-20	--	0	20	--
					112SDGV	101	71-11-15	--	10	10	--
					112SDGV	101	71-12-16	--	10	50	--
11N 9W10BD	1	40 56 20	098 19 57	01	112SDGV	95	71-10-20	--	10	30	--
					112SDGV	95	71-11-15	--	20	10	--
11N 9W13CA	1	40 55 15	098 17 38	01	112SDGV	70	71-10-20	--	160	1900	--
					112SDGV	70	71-11-16	--	480	2100	--
					112SDGV	70	71-12-16	--	270	1900	--
11N 9W28BB	1	40 53 57	098 21 20	01	112SDGV	84	71-10-20	--	0	0	--
					112SDGV	84	71-11-15	--	10	0	--
					112SDGV	84	71-12-16	--	0	10	--
11N 10W 2DA	1	40 57 00	098 23 57	01	112SDGV	60	71-10-21	--	10	0	--
					112SDGV	60	71-11-16	--	0	10	--
					112SDGV	60	71-12-17	--	30	20	--
11N 10W13CC	1	40 55 03	098 23 40	01	112SDGV	106	71-10-20	--	80	10	--
					112SDGV	106	71-11-15	--	80	20	--
					112SDGV	106	71-12-16	--	90	20	--
12N 9W35BC	1	40 58 05	098 19 13	01	112SDGV	--	71-10-21	--	50	80	--
					112SDGV	--	71-11-15	--	60	90	--
					112SDGV	--	71-12-17	--	60	90	--
Hamilton County											
9N 7W 6DAD	2	40 46 33	098 09 12	02	112SDGV	190	72-02-17	32	30	890	81
					112SDGV	190	72-06-14	30	30	910	81
13N 6W 4CD	1	40 51 47	098 00 45	01	112SDGV	248	72-02-18	29	20	20	47
					112SDGV	248	72-06-14	28	10	20	49
Holt County											
26N 12W26AAA	1	42 12 10	098 40 20	01	--	140	72-03-23	59	10	0	25
28N 9W 9BA	1	42 25 14	098 22 15	01	112SDGV	90	71-10-20	44	10	0	33
28N 9W 9BA	2	42 25 14	098 22 15	02	--	120	72-06-14	45	--	--	32
29N 10W24DA	1	42 27 23	096 29 01	01	112SDGV	45	71-10-19	26	0	0	11
					112SDGV	45	72-06-14	27	--	--	11
29N 11W 8DC	1	42 29 44	098 37 16	01	112SDGV	70	71-10-19	28	20	20	51
					112SDGV	70	72-06-14	20	--	--	42
29N 12W 3DD	2	42 30 36	098 42 02	02	112SDGV	102	71-10-19	26	60	10	41
					112SDGV	102	72-06-14	27	--	--	40
29N 12W11BD	1	42 29 44	098 40 51	01	112SDGV	--	72-06-14	22	--	--	61
29N 12W14AC	1	42 29 17	098 41 08	01	121OGLL	300	72-06-14	14	--	--	72
29N 12W14DA	1	42 29 04	098 40 51	01	110WDDS	45	71-10-19	24	20	0	44
					110WDDS	45	72-06-14	23	--	--	42

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CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)
Adams County										
7N 9W11DC 1	72-02-17	12	46	8.2	213	0	71	79	.4	--
	72-06-14	9.0	28	6.9	206	0	46	28	.4	--
8N 12W34BC 3	72-02-17	5.9	9.2	6.1	167	0	17	3.0	.3	--
	72-06-14	7.3	14	6.2	171	0	28	4.6	.3	--
Clay County										
6N 8W 8CB 3	72-02-29	5.8	13	5.8	164	0	13	4.2	.5	--
	72-06-14	5.8	13	5.4	163	0	14	3.9	.5	--
7N 5W 2AA 1	72-02-18	18	21	6.2	234	0	42	17	.4	--
	72-06-14	10	25	5.5	252	0	32	15	.4	--
8N 7W27BC 1	72-02-18	9.7	19	6.6	178	0	80	11	.4	--
	72-06-14	9.6	19	6.3	179	0	75	10	.3	--
Custer County										
18N 22W24CCC1	72-06-06	5.8	7.7	8.1	178	0	6.0	.7	.3	.06
Fillmore County										
5N 4W12DD 1	72-02-18	7.3	23	7.2	203	0	29	16	.4	--
	72-06-14	7.2	22	6.8	188	0	30	14	.4	--
7N 3W36BB 1	72-02-18	9.8	23	4.6	217	0	48	13	.3	--
	72-06-14	10	23	4.2	212	0	49	13	.4	--
8N 1W20BB 2	72-02-29	18	32	5.4	284	0	140	15	.4	--
	72-06-15	19	35	5.1	272	0	160	15	.4	--
Hall County										
10N 9W11AC 1	71-10-20	--	--	--	--	--	--	28	--	--
	71-11-15	--	--	--	--	--	--	29	--	--
	71-12-16	--	--	--	--	--	--	29	--	--
11N 9W 3DC 1	71-10-21	--	--	--	--	--	--	20	--	--
	71-11-15	--	--	--	--	--	--	20	--	--
	71-12-17	--	--	--	--	--	--	21	--	--
11N 9W 8CB 1	71-11-15	--	--	--	--	--	--	4.2	--	--
	71-12-16	--	--	--	--	--	--	4.8	--	--
11N 9W 8DA 2	71-10-20	--	--	--	--	--	--	5.5	--	--
	71-11-15	--	--	--	--	--	--	5.3	--	--
	71-12-16	--	--	--	--	--	--	6.5	--	--
11N 9W10BB 1	71-10-20	--	--	--	--	--	--	11	--	--
	71-11-15	--	--	--	--	--	--	--	--	--
11N 9W13CA 1	71-10-20	--	--	--	--	--	--	13	--	--
	71-11-16	--	--	--	--	--	--	13	--	--
	71-12-16	--	--	--	--	--	--	14	--	--
11N 9W20BB 1	71-10-20	--	--	--	--	--	--	11	--	--
	71-11-15	--	--	--	--	--	--	11	--	--
	71-12-16	--	--	--	--	--	--	12	--	--
11N 10W 2BA 1	71-10-21	--	--	--	--	--	--	5.4	--	--
	71-11-16	--	--	--	--	--	--	5.2	--	--
	71-12-17	--	--	--	--	--	--	5.8	--	--
11N 10W13CC 1	71-10-20	--	--	--	--	--	--	9.6	--	--
	71-11-15	--	--	--	--	--	--	9.9	--	--
	71-12-16	--	--	--	--	--	--	10	--	--
12N 9W35DC 1	71-10-21	--	--	--	--	--	--	9.1	--	--
	71-11-15	--	--	--	--	--	--	25	--	--
	71-12-17	--	--	--	--	--	--	10	--	--
Hamilton County										
9N 7W 6DAD 2	72-02-17	14	29	6.2	233	0	110	15	.4	--
	72-06-14	14	28	5.6	245	0	110	12	.4	--
10N 6W 4CB 1	72-02-18	7.6	19	5.3	183	0	36	8.0	.4	--
	72-06-14	7.9	20	4.6	187	0	40	7.3	.5	--
Holt County										
26N 12W26AAA 1	72-03-23	3.0	7.5	4.2	116	0	2.5	1.0	.4	.10
28N 9W 9BA 1	71-10-20	4.5	9.4	3.1	112	0	7.5	1.3	.3	--
28N 9W 9BA 2	72-06-14	4.4	8.7	3.1	121	0	8.4	1.3	--	--
29N 10W20BA 1	71-10-19	1.9	5.7	1.6	31	0	.0	3.4	.3	--
	72-06-14	1.9	4.4	1.8	32	0	7.5	2.2	--	--
29N 11W 8DC 1	71-10-19	11	9.1	4.7	95	0	19	13	.2	--
	72-06-14	8.3	7.7	4.0	80	0	19	13	--	--
29N 12W 3DD 2	71-10-19	8.3	11	4.0	73	0	27	16	.3	--
	72-06-14	8.3	12	4.1	61	0	27	13	--	--
29N 12W11DD 1	72-06-14	13	14	5.6	111	0	21	10	.1	--
29N 12W14AC 1	72-06-14	15	12	6.1	89	0	18	9.9	--	--
29N 12W14DA 1	71-10-19	6.1	9.3	5.1	80	0	22	9.6	.1	--
	72-06-14	5.2	8.3	4.8	63	0	27	10	--	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	TOTAL NITRO- GEN (N) (MG/L) (00600)	TOTAL KJEL- DAHL NITRO- GEN (N) (MG/L) (00625)	DIS- SOLVED AMMONIA NITRO- GEN (N) (MG/L) (00608)	DIS- SOLVED NITRITE (N) (MG/L) (00613)	DIS- SOLVED NITRATE (N) (MG/L) (00618)	DIS- SOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOS- PHORUS (P) (MG/L) (00665)	DIS- SOL- VED- PHOS- PHORUS (P) (MG/L) (00666)	DIS- SOLVED BORON (B) (UG/L) (01020)
Adams County										
7N 9W11DC 1	72-02-17	--	--	--	--	--	6.4	--	.19	80
	72-06-14	--	--	--	--	--	3.0	--	.19	30
8N 12W34BC 3	72-02-17	--	--	--	--	--	1.3	--	.21	30
	72-06-14	--	--	--	--	--	2.6	--	.24	130
Clay County										
6N 8W 8CB 3	72-02-29	--	--	--	--	--	1.6	--	.23	20
	72-06-14	--	--	--	--	--	1.5	--	.24	20
7N 5W 2AA 1	72-02-18	--	--	--	--	--	.64	--	.18	50
	72-06-14	--	--	--	--	--	1.4	--	.28	50
8N 7W27DC 1	72-02-18	--	--	--	--	--	.24	--	.20	30
	72-06-14	--	--	--	--	--	.38	--	.20	20
Custer County										
18N 22W24CCCC1	72-06-06	1.1	.07	.01	.00	.98	.98	.20	.19	30
Fillmore County										
5N 4W12BD 1	72-02-15	--	--	--	--	--	2.6	--	.19	30
	72-06-14	--	--	--	--	--	2.3	--	.34	30
7N 3W36DB 1	72-02-18	--	--	--	--	--	.90	--	.23	30
	72-06-14	--	--	--	--	--	.87	--	.26	30
8N 1W20DB 2	72-02-29	--	--	--	--	--	3.0	--	.23	90
	72-06-15	--	--	--	--	--	3.6	--	.29	60
Hall County										
10N 9W11AC 1	71-10-20	--	--	--	--	--	.39	--	.15	--
	71-11-15	--	--	--	--	--	.45	--	.15	--
	71-12-16	--	--	--	--	--	.34	--	.15	--
11N 9W 3DC 1	71-10-21	--	--	--	--	--	15	--	.17	--
	71-11-15	--	--	--	--	--	16	--	.16	--
	71-12-17	--	--	--	--	--	15	--	.19	--
11N 9W 8CB 1	71-11-15	--	--	--	--	--	5.3	--	.21	--
	71-12-16	--	--	--	--	--	5.3	--	.22	--
11N 9W 8DA 2	71-10-20	--	--	--	--	--	6.1	--	.21	--
	71-11-15	--	--	--	--	--	5.9	--	.21	--
	71-12-16	--	--	--	--	--	5.7	--	.22	--
11N 9W10BB 1	71-10-20	--	--	--	--	--	5.4	--	.17	--
	71-11-15	--	--	--	--	--	5.8	--	.17	--
11N 9W13CA 1	71-10-20	--	--	--	--	--	.09	--	.09	--
	71-11-16	--	--	--	--	--	.02	--	.08	--
	71-12-16	--	--	--	--	--	.05	--	.08	--
11N 9W28BB 1	71-10-20	--	--	--	--	--	6.7	--	.14	--
	71-11-15	--	--	--	--	--	6.6	--	.13	--
	71-12-16	--	--	--	--	--	6.2	--	.14	--
11N 10W 20A 1	71-10-21	--	--	--	--	--	7.1	--	.20	--
	71-11-16	--	--	--	--	--	7.4	--	.21	--
	71-12-17	--	--	--	--	--	7.0	--	.21	--
11N 10W13CC 1	71-10-20	--	--	--	--	--	3.4	--	.18	--
	71-11-15	--	--	--	--	--	3.4	--	.19	--
	71-12-16	--	--	--	--	--	3.9	--	.18	--
12N 9W35BC 1	71-10-21	--	--	--	--	--	2.4	--	.12	--
	71-11-15	--	--	--	--	--	2.5	--	.15	--
	71-12-17	--	--	--	--	--	2.7	--	.13	--
Hamilton County										
9N 7W 6DAD 2	72-02-17	--	--	--	--	--	2.1	--	.26	40
	72-06-14	--	--	--	--	--	1.1	--	.34	10
13N 6W 4CB 1	72-02-18	--	--	--	--	--	.61	--	.17	30
	72-06-14	--	--	--	--	--	.61	--	.31	20
Holt County										
26N 12W26AAA 1	72-03-23	.88	.18	.08	.03	.70	.70	.13	.11	20
29N 9W 9DA 1	71-10-20	--	--	--	--	--	7.0	--	.26	20
28N 9W 9BB 2	72-06-14	--	--	--	--	--	6.3	--	.22	--
29N 10W28DA 1	71-10-19	--	--	--	--	--	7.5	--	.11	10
	72-06-14	--	--	--	--	--	4.4	--	.15	--
29N 11W 8DC 1	71-10-19	--	--	--	--	--	26	--	.06	40
	72-06-14	--	--	--	--	--	15	--	.05	--
29N 12W 19D 2	71-10-19	--	--	--	--	--	20	--	.10	30
	72-06-14	--	--	--	--	--	19	--	.10	--
29N 12W11DD 1	72-06-14	--	--	--	--	--	14	--	.06	70
29N 12W14AC 1	72-06-14	--	--	--	--	--	53	--	.07	--
29N 12W16DA 1	71-10-19	--	--	--	--	--	23	--	.07	30
	72-06-14	--	--	--	--	--	13	--	.08	--

LOCAL IDENT- I- FIER	DATE OF SAMPLE	DIS- SOLVED SOLIDS (RESI- DUE AT 180 C) (MG/L) (70300)	DIS- SOLVED SOLIDS (SUM OF CONSTI- TUENTS) (MG/L) (70301)	HARD- NESS (CA,MG) (MG/L) (00900)	NON- CAR- BONATE HARD- NESS (MG/L) (00902)	SODIUM AD- SORP- TION RATIO (00931)	SPE- CIFIC CON- DUCT- ANCE (MICRO- MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT- INUM- COBALT UNITS) (00080)	DIS- SOLVED ALUM- INUM (AL) (UG/L) (01106)
Adams County										
7N 9W11BC 1	72-02-17	--	467	270	99	1.2	784	7.0	0	--
	72-06-14	--	325	200	28	.9	539	7.3	0	--
8N 12W34BC 3	72-02-17	--	192	120	0	.4	271	7.0	0	--
	72-06-14	--	232	140	0	.5	358	7.2	2	--
Clay County										
5N 8W 9CB 3	72-02-29	--	202	130	0	.5	301	7.0	0	--
	72-06-16	--	197	120	0	.5	310	7.5	5	--
7N 8W 2AA 1	72-02-18	--	315	210	14	.6	492	7.0	0	--
	72-06-14	--	318	210	2	.8	513	7.4	2	--
8N 7W27DC 1	72-02-18	--	310	190	46	.6	465	6.9	0	--
	72-06-14	--	303	190	43	.6	470	7.2	0	--
Custer County										
16N 22W24CCCC1	72-06-06	214	217	120	0	.3	291	7.4	0	0
Fillmore County										
5N 4W12BD 1	72-02-18	--	283	160	0	.8	428	6.9	0	--
	72-06-14	--	269	160	5	.8	426	7.4	0	--
7N 3W34DD 1	72-02-18	--	301	190	10	.7	476	7.0	3	--
	72-06-14	--	298	190	15	.7	479	7.5	5	--
8N 1W20DD 2	72-02-29	--	496	320	88	.8	773	7.5	0	--
	72-06-15	--	525	350	130	.8	728	7.5	0	--
Hall County										
10N 9W11AC 1	71-10-20	--	--	--	--	--	918	--	--	--
	71-11-15	--	--	--	--	--	932	--	--	--
	71-12-16	--	--	--	--	--	908	--	--	--
11N 9W 3BC 1	71-10-21	--	--	--	--	--	495	--	--	--
	71-11-15	--	--	--	--	--	504	--	--	--
	71-12-17	--	--	--	--	--	513	--	--	--
11N 9W 8CB 1	71-11-15	--	--	--	--	--	383	--	--	--
	71-12-16	--	--	--	--	--	381	--	--	--
11N 9W 8DA 2	71-10-20	--	--	--	--	--	361	--	--	--
	71-11-15	--	--	--	--	--	362	--	--	--
	71-12-16	--	--	--	--	--	362	--	--	--
11N 9W10DD 1	71-10-20	--	--	--	--	--	471	--	--	--
	71-11-15	--	--	--	--	--	565	--	--	--
11N 9W13CB 1	71-10-20	--	--	--	--	--	605	--	--	--
	71-11-16	--	--	--	--	--	616	--	--	--
	71-12-16	--	--	--	--	--	612	--	--	--
11N 9W28DD 1	71-10-20	--	--	--	--	--	635	--	--	--
	71-11-15	--	--	--	--	--	647	--	--	--
	71-12-16	--	--	--	--	--	638	--	--	--
11N 10W 2DA 1	71-10-21	--	--	--	--	--	293	--	--	--
	71-11-16	--	--	--	--	--	294	--	--	--
	71-12-17	--	--	--	--	--	291	--	--	--
11N 10W13CC 1	71-10-20	--	--	--	--	--	368	--	--	--
	71-11-15	--	--	--	--	--	375	--	--	--
	71-12-16	--	--	--	--	--	378	--	--	--
12N 9W35BC 1	71-10-21	--	--	--	--	--	475	--	--	--
	71-11-15	--	--	--	--	--	478	--	--	--
	71-12-17	--	--	--	--	--	481	--	-	--
Hamilton County										
9N 7W 6DAD 2	72-02-17	--	413	280	69	.8	623	6.9	0	--
	72-06-14	--	407	260	59	.8	632	7.2	0	--
10N 6W 9CB 1	72-02-18	--	248	150	0	.7	379	7.2	0	--
	72-06-14	--	252	150	2	.7	396	7.2	0	--
Holt County										
25N 12W26AAA 1	72-03-23	198	166	75	0	.4	186	7.4	0	100
28N 9W 9BA 1	71-10-20	--	189	100	9	.4	248	6.8	0	--
28N 9W 9BA 2	72-06-15	--	190	98	8	.4	248	7.4	--	--
29N 10W20DA 1	71-10-19	--	98	35	10	.4	111	6.6	0	--
	72-06-14	--	91	35	9	.3	107	7.3	--	--
29N 11W 8BC 1	71-10-19	--	291	170	95	.3	417	5.8	3	--
	72-06-16	--	220	140	73	.3	337	6.7	--	--
29N 12W 3DD 2	71-10-19	--	258	160	77	.4	364	6.6	0	--
	72-06-15	--	246	130	84	.5	364	6.9	--	--
29N 12W11DD 1	72-06-14	--	352	210	110	.4	536	6.8	5	--
29N 12W14AC 1	72-06-16	--	411	240	200	.3	622	6.9	--	--
29N 12W14DA 1	71-10-19	--	249	130	69	.3	352	6.7	0	--
	72-06-14	--	209	130	75	.3	312	6.8	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
Adams County										
7N 9W11DC 1	72-02-17	--	--	--	--	--	--	22	--	--
	72-06-14	--	--	--	--	--	--	2	--	--
8N 12W14BC 1	72-02-17	--	--	--	--	--	--	6	--	--
	72-06-14	--	--	--	--	--	--	5	--	--
Clay County										
6N 8W 8CB 3	72-02-29	--	--	--	--	--	--	3	--	--
	72-06-18	--	--	--	--	--	--	2	--	--
7N 5W 2AA 1	72-02-18	--	--	--	--	--	--	2	--	--
	72-06-18	--	--	--	--	--	--	2	--	--
8N 7W27BC 1	72-02-18	--	--	--	--	--	--	4	--	--
	72-06-18	--	--	--	--	--	--	2	--	--
Custer County										
18N 22W24CCCC1	72-06-06	20	100	0	2	0	2	1	2	10
Fillmore County										
5N 4W12BD 1	72-02-18	--	--	--	--	--	--	4	--	--
	72-06-18	--	--	--	--	--	--	30	--	--
7N 3W36DB 1	72-02-18	--	--	--	--	--	--	2	--	--
	72-06-18	--	--	--	--	--	--	4	--	--
8N 1W20DB 2	72-02-29	--	--	--	--	--	--	8	--	--
	72-06-15	--	--	--	--	--	--	20	--	--
Hall County										
10N 9W11AC 1	71-10-20	--	--	--	--	--	--	3	--	--
	71-11-15	--	--	--	--	--	--	3	--	--
	71-12-16	--	--	--	--	--	--	8	--	--
11N 9W 3DC 1	71-10-21	--	--	--	--	--	--	130	--	--
	71-11-15	--	--	--	--	--	--	50	--	--
	71-12-17	--	--	--	--	--	--	60	--	--
11N 9W 8CB 1	71-11-15	--	--	--	--	--	--	3	--	--
	71-12-16	--	--	--	--	--	--	1	--	--
11N 9W 8DA 2	71-10-20	--	--	--	--	--	--	2	--	--
	71-11-15	--	--	--	--	--	--	2	--	--
	71-12-16	--	--	--	--	--	--	4	--	--
11N 9W10BD 1	71-10-20	--	--	--	--	--	--	4	--	--
	71-11-15	--	--	--	--	--	--	54	--	--
11N 9W13CA 1	71-10-20	--	--	--	--	--	--	1	--	--
	71-11-16	--	--	--	--	--	--	0	--	--
	71-12-16	--	--	--	--	--	--	2	--	--
11N 9W29BB 1	71-10-20	--	--	--	--	--	--	4	--	--
	71-11-15	--	--	--	--	--	--	4	--	--
	71-12-16	--	--	--	--	--	--	20	--	--
11N 10W 2DA 1	71-10-21	--	--	--	--	--	--	5	--	--
	71-11-16	--	--	--	--	--	--	7	--	--
	71-12-17	--	--	--	--	--	--	20	--	--
11N 10W13CC 1	71-10-20	--	--	--	--	--	--	2	--	--
	71-11-15	--	--	--	--	--	--	4	--	--
	71-12-16	--	--	--	--	--	--	8	--	--
12N 9W35BC 1	71-10-21	--	--	--	--	--	--	8	--	--
	71-11-15	--	--	--	--	--	--	4	--	--
	71-12-17	--	--	--	--	--	--	10	--	--
Hamilton County										
9N 7W 6DAD 2	72-02-17	--	--	--	--	--	--	5	--	--
	72-06-14	--	--	--	--	--	--	1	--	--
13N 6W 4CB 1	72-02-18	--	--	--	--	--	--	2	--	--
	72-06-14	--	--	--	--	--	--	2	--	--
Holt County										
26N 12W26AAA 1	72-03-23	5	0	0	1	0	0	2	2	10
28N 9W 9BA 1	71-10-20	--	--	--	--	--	--	3	--	--
28N 9W 9BA 2	72-06-14	--	--	--	--	--	--	--	--	--
29N 10W28DA 1	71-10-19	--	--	--	--	--	--	9	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
29N 11W 8DC 1	71-10-19	--	--	--	--	--	--	14	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
29N 12W 3DD 2	71-10-19	--	--	--	--	--	--	2	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
29N 12W11DD 1	72-06-14	--	--	--	--	--	--	--	--	--
29N 12W14AC 1	72-06-14	--	--	--	--	--	--	--	--	--
29N 12W14DA 1	71-10-19	--	--	--	--	--	--	24	--	--
	72-06-14	--	--	--	--	--	--	--	--	--

CHEMICAL ANALYSES OF GROUND WATER IN NEBRASKA

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
Adams County									
7N 9W11BC 1	72-02-17	--	--	--	--	--	--	--	80
	72-06-14	--	--	--	--	--	--	--	10
8N 12W34BC 3	72-02-17	--	--	--	--	--	--	--	50
	72-06-14	--	--	--	--	--	--	--	10
Clay County									
6N 8W 8CD 3	72-02-29	--	--	--	--	--	--	--	30
	72-06-14	--	--	--	--	--	--	--	0
7N 5W 2AA 1	72-02-18	--	--	--	--	--	--	--	30
	72-06-14	--	--	--	--	--	--	--	0
8N 7W27BC 1	72-02-18	--	--	--	--	--	--	--	20
	72-06-14	--	--	--	--	--	--	--	10
Custer County									
10N 22W24CCC 1	72-06-06	1.2	3	3	0	0	230	12	10
Fillmore County									
5N 4W12BB 1	72-02-18	--	--	--	--	--	--	--	70
	72-06-14	--	--	--	--	--	--	--	10
7N 3W36DD 1	72-02-18	--	--	--	--	--	--	--	80
	72-06-14	--	--	--	--	--	--	--	10
8N 1W20DD 2	72-02-29	--	--	--	--	--	--	--	80
	72-06-15	--	--	--	--	--	--	--	80
Hall County									
10N 9W11AC 1	71-10-20	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
	71-12-16	--	--	--	--	--	--	--	--
11N 9W 3DC 1	71-10-21	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
	71-12-17	--	--	--	--	--	--	--	--
11N 9W 6CB 1	71-11-15	--	--	--	--	--	--	--	--
	71-12-16	--	--	--	--	--	--	--	--
11N 9W 8BA 2	71-10-20	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
	71-12-16	--	--	--	--	--	--	--	--
11N 9W10BD 1	71-10-20	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
11N 9W13CA 1	71-10-20	--	--	--	--	--	--	--	--
	71-11-16	--	--	--	--	--	--	--	--
	71-12-16	--	--	--	--	--	--	--	--
11N 9W28BB 1	71-10-20	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
	71-12-16	--	--	--	--	--	--	--	--
11N 10W 2DA 1	71-10-21	--	--	--	--	--	--	--	--
	71-11-16	--	--	--	--	--	--	--	--
	71-12-17	--	--	--	--	--	--	--	--
11N 10W13CC 1	71-10-20	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
	71-12-16	--	--	--	--	--	--	--	--
12N 9W35BC 1	71-10-21	--	--	--	--	--	--	--	--
	71-11-15	--	--	--	--	--	--	--	--
	71-12-17	--	--	--	--	--	--	--	--
Hamilton County									
9N 7W 6DAD 2	72-02-17	--	--	--	--	--	--	--	100
	72-06-14	--	--	--	--	--	--	--	10
10N 6W 4CB 1	72-02-18	--	--	--	--	--	--	--	80
	72-06-14	--	--	--	--	--	--	--	0
Holt County									
26N 12W26AAA 1	72-03-23	.2	1	7	--	0	100	12	90
28N 9W 9BA 1	71-10-20	--	--	--	--	--	--	--	60
28N 9W 9BA 2	72-06-14	--	--	--	--	--	--	--	--
29N 10W29DA 1	71-10-19	--	--	--	--	--	--	--	10
	72-06-14	--	--	--	--	--	--	--	--
29N 11W 8DC 1	71-10-19	--	--	--	--	--	--	--	1600
	72-06-14	--	--	--	--	--	--	--	--
29N 12W 3DD 2	71-10-19	--	--	--	--	--	--	--	50
	72-06-14	--	--	--	--	--	--	--	--
29N 12W11DD 1	72-06-14	--	--	--	--	--	--	--	--
29N 12W14AC 1	72-06-14	--	--	--	--	--	--	--	--
29N 12W14DA 1	71-10-19	--	--	--	--	--	--	--	170
	72-06-14	--	--	--	--	--	--	--	--

LOCAL IDENT-I-FIER	LAT-I-TUDE	LONG-I-TUDE	SEQ. NO.	GEO-LOGIC UNIT	TOTAL DEPTH OF WELL (FT) (72008)	DATE OF SAMPLE	DIS-SOLVED SILICA (SIO2) (MG/L) (00955)	DIS-SOLVED IRON (FE) (UG/L) (01046)	DIS-SOLVED MAN-GANESE (MN) (UG/L) (01056)	DIS-SOLVED CAL-CIUM (CA) (MG/L) (00915)
Holt County										
30N 10W24DD 1	42 33 16	098 25 30	01	110NDBR	32	71-10-19	23	20	0	15
30N 10W24DD 2	42 33 16	098 25 30	02	--	32	72-06-14	23	--	--	25
33N 12W23BA 1	42 33 52	098 41 25	01	112SDGV	85	71-10-19	50	20	0	28
				112SDGV	85	72-06-14	52	--	--	30
30N 13W13CD 1	42 34 04	098 47 14	01	--	80	71-10-19	58	10	0	39
				--	80	72-06-13	62	--	--	40
30N 14W23AA 2	42 33 52	098 54 54	02	112SDGV	68	71-10-18	44	20	0	23
				112SDGV	68	72-06-13	44	--	--	24
31N 10W20AA 1	42 39 09	098 30 11	01	110NDBS	52	71-10-20	48	10	0	32
				110NDBS	52	72-06-14	49	--	--	34
31N 11W11AC 1	42 40 38	098 33 49	01	110NDBS	60	71-10-19	25	180	20	380
				110NDBS	60	72-06-14	36	--	--	400
31N 12W31BA 1	42 37 22	098 46 05	01	110NDBS	85	71-10-19	58	20	0	43
				110NDBS	85	72-06-14	59	--	--	49
31N 12W35AB 1	42 37 22	098 41 08	01	110NDBS	36	71-10-19	43	10	0	35
				110NDBS	36	72-06-14	42	--	--	37
Kearney County										
5N 15W10BC 1	40 25 06	099 00 19	01	112SDGV	--	72-08-16	--	--	--	--
6N 16W21AB 1	40 28 47	099 07 48	01	112SDGV	165	71-10-20	--	--	--	--
7N 14W23CC 1	40 33 18	098 52 30	01	112SDGV	190	72-08-16	--	--	--	--
7N 16W 8DAC 1	40 35 16	099 08 43	01	112SDGV	75	72-08-15	--	--	--	--
7N 16W29CA 1	40 32 42	099 09 13	01	112SDGV	170	72-08-15	--	--	--	--
Keya Paha County										
33N 21W 7AD 2	42 50 50	099 49 41	02	121OGLL	100	71-10-18	34	20	10	11
				121OGLL	100	72-06-13	54	--	--	11
33N 21W 8DA 1	42 50 37	099 48 30	01	121OGLL	80	71-10-18	62	10	0	29
33N 21W 8DA 2	42 50 37	099 48 30	02	--	180	72-06-13	66	--	--	30
33N 21W10DC 1	42 50 24	099 46 27	01	121OGLL	90	71-10-18	60	40	0	36
				121OGLL	90	72-06-13	53	--	--	35
Knox County										
29N 8W33CC 1	42 26 22	098 15 54	01	112SDGV	150	71-10-20	14	30	0	71
				112SDGV	150	72-06-14	76	--	--	75
Phelps County										
5N 18W 4BAB 1	40 26 10	099 22 24	01	--	295	71-10-27	--	--	--	--
5N 18W35DB 1	40 21 24	099 19 42	01	112SDGV	330	72-08-15	--	--	--	--
6N 17W18CD 1	40 29 00	099 17 30	01	112SDGV	186	71-10-26	--	--	--	--
6N 19W14AB 2	40 29 41	099 26 32	02	--	180	71-10-27	--	--	--	--
6N 19W20BD 1	40 28 35	099 30 18	01	112SDGV	243	71-10-27	--	--	--	--
7N 17W11CBA 1	40 35 23	099 12 48	01	112SDGV	66	72-08-16	--	--	--	--
7N 17W18DD 1	40 34 14	099 16 38	01	112SDGV	105	71-10-26	--	--	--	--
7N 18W12BA 1	40 35 46	099 18 51	01	112SDGV	115	72-08-15	--	--	--	--
7N 18W16CC 1	40 34 14	099 22 33	01	112SDGV	110	72-08-15	--	--	--	--
7N 19W13DAAA1	40 34 33	099 25 00	01	112SDGV	112	71-10-26	--	--	--	--
7N 19W33DA 1	40 31 51	099 28 32	01	112SDGV	183	72-06-13	--	--	--	--
7N 20W 1DC 1	40 35 58	099 32 11	01	112SDGV	158	71-10-27	--	--	--	--
7N 20W31CA 2	40 31 45	099 38 10	02	112SDGV	260	71-10-27	--	--	--	--
8N 18W15DA 1	40 39 41	099 20 33	01	112SDGV	42	72-08-15	--	--	--	--
8N 19W17DC 1	40 39 28	099 29 57	01	112SDGV	72	71-10-27	--	--	--	--
8N 19W35CB 1	40 37 04	099 27 06	01	112SDGV	113	72-08-15	--	--	--	--
7N 18W 35CC1	40 31 38	099 19 42	01	112SDGV	153	71-10-27	--	--	--	--
Polk County										
13N 4W21CCD 2	41 04 34	097 47 11	02	112SDGV	150	71-12-15	38	0	0	88
				112SDGV	150	72-06-14	36	10	10	82
14N 1W 9DAC 1	41 11 45	097 25 46	01	112SDGV	210	71-12-15	43	0	0	69
				112SDGV	210	72-06-15	46	20	10	69
Saline County										
8N 3E20BAD 1	40 39 02	097 06 49	01	112SDGV	190	72-02-18	31	960	880	75
				112SDGV	190	72-06-15	32	210	450	70
Seward County										
11N 1E29BC 1	40 53 30	097 20 48	01	112SDGV	254	72-02-29	40	30	30	71
				112SDGV	254	72-06-15	38	20	10	74
11N 2E26AD 9	40 53 43	097 09 39	09	112SDGV	117	71-12-15	36	10	0	75
				112SDGV	117	72-06-15	36	30	10	72
York County										
9N 4W 6AC 1	40 46 46	097 48 51	01	112SDGV	171	71-12-15	35	0	0	69
				112SDGV	171	72-06-15	33	0	0	61
11N 2W31CA 1	40 52 42	097 35 24	01	112SDGV	138	71-12-15	42	10	0	68
				112SDGV	138	72-06-15	41	30	0	68
12N 1W11BC 2	41 01 37	097 24 13	02	112SDGV	156	71-12-15	41	0	0	87
				112SDGV	156	72-06-15	41	10	0	90

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LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MAG-NE-SIUM (MG) (MG/L) (00925)	DIS-SOLVED SODIUM (NA) (MG/L) (00930)	DIS-SOLVED PO-TAS-SIUM (K) (MG/L) (00935)	BICAR-BONATE (HCO3) (MG/L) (00440)	CAR-BONATE (CO3) (MG/L) (00445)	DIS-SOLVED SULFATE (SO4) (MG/L) (00945)	DIS-SOLVED CHLO-RIDE (CL) (MG/L) (00940)	DIS-SOLVED FLUO-RIDE (F) (MG/L) (00950)	ORGANIC NITRO-GEN (N) (MG/L) (00605)
Holt County										
30N 10W24DD 1	71-10-19	2.8	6.2	2.0	30	0	11	6.2	.2	--
30N 10W24DD 2	72-06-14	4.2	9.7	11	36	0	11	21	--	--
30N 12W23BA 1	71-10-19	2.3	7.2	3.9	92	0	5.5	3.3	.3	--
	72-06-14	2.4	6.3	4.7	98	0	5.6	2.0	--	--
30N 13W13CD 1	71-10-19	4.0	7.1	4.6	115	0	7.8	2.0	.3	--
	72-06-13	4.1	7.5	4.7	121	0	5.9	1.7	--	--
30N 14W23AA 2	71-10-18	3.4	10	4.6	94	0	9.0	1.6	.4	--
	72-06-13	3.5	10	5.0	89	0	11	1.9	--	--
31N 10W20AA 1	71-10-20	2.9	5.1	3.3	82	0	7.0	2.6	.2	--
	72-06-14	3.5	4.2	4.0	81	0	8.6	3.1	--	--
31N 11W11AC 1	71-10-19	68	52	12	283	0	230	110	.5	--
	72-06-14	79	49	10	265	0	210	130	--	--
31N 12W31DA 1	71-10-19	5.9	7.7	5.1	179	0	2.5	1.2	.4	--
	72-06-14	6.3	8.1	5.2	186	0	4.8	1.9	--	--
31N 12W35AB 1	71-10-19	4.1	5.9	3.1	100	0	10	2.2	.3	--
	72-06-14	4.2	4.9	3.4	108	0	10	2.0	--	--
Kearney County										
5N 15W10BC 1	72-08-16	--	--	--	--	--	73	--	--	--
6N 16W21AB 1	71-10-28	--	--	--	--	--	150	--	--	--
7N 14W23CC 1	72-08-16	--	--	--	--	--	65	--	--	--
7N 16W 8DAC 1	72-08-15	--	--	--	--	--	28	--	--	--
7N 16W29CA 1	72-08-15	--	--	--	--	--	190	--	--	--
Keya Paha County										
33N 21W 7AD 2	71-10-18	1.2	4.1	4.2	43	0	3.8	1.5	.3	--
	72-06-13	1.6	5.0	3.6	38	0	6.6	2.8	--	--
33N 21W 8DA 1	71-10-18	3.0	3.8	4.9	117	0	1.0	1.4	.3	--
33N 21W 8DA 2	72-06-13	3.1	3.6	4.8	117	0	2.5	1.1	--	--
33N 21W10BC 1	71-10-18	5.1	6.4	10	187	0	4.5	1.9	.4	--
	72-06-13	5.1	6.2	9.2	139	0	5.9	2.4	--	--
Knox County										
29N 8W33CC 1	71-10-20	7.6	12	4.9	187	0	8.0	17	.3	--
	72-06-14	7.6	11	5.5	207	0	8.6	15	--	--
Phelps County										
5N 18W 4BAB 1	71-10-27	--	--	--	--	--	72	--	--	--
5N 18W35DB 1	72-08-15	--	--	--	--	--	38	--	--	--
6N 17W18CD 1	71-10-26	--	--	--	--	--	190	--	--	--
6N 19W14AB 2	71-10-27	--	--	--	--	--	120	--	--	--
6N 19W20BD 1	71-10-27	--	--	--	--	--	67	--	--	--
7N 17W11CBA 1	72-08-16	--	--	--	--	--	33	--	--	--
7N 17W18DD 1	71-10-26	--	--	--	--	--	220	--	--	--
7N 18W12BA 1	72-08-15	--	--	--	--	--	98	--	--	--
7N 18W16CC 1	72-08-15	--	--	--	--	--	200	--	--	--
7N 19W13DAAA1	71-10-26	--	--	--	--	--	240	--	--	--
7N 19W33DA 1	72-06-13	--	--	--	--	--	150	--	--	--
7N 20W 1DC 1	71-10-27	--	--	--	--	--	150	--	--	--
7N 20W31CA 2	71-10-27	--	--	--	--	--	130	--	--	--
8N 18W15DA 1	72-08-15	--	--	--	--	--	110	--	--	--
8N 19W17DC 1	71-10-27	--	--	--	--	--	280	--	--	--
8N 19W35CB 1	72-08-15	--	--	--	--	--	130	--	--	--
7N 18W 35CC1	71-10-27	--	--	--	--	--	270	--	--	--
Polk County										
13N 4W21CCD 2	71-12-15	18	29	6.1	359	0	28	9.0	.4	--
	72-06-14	18	29	6.9	360	0	28	7.9	.6	--
14N 1W 9DAC 1	71-12-15	11	20	6.4	278	0	22	5.6	.3	--
	72-06-15	12	15	7.4	276	0	22	4.7	.3	--
Saline County										
5N 3E20BAD 1	72-02-18	11	24	5.0	295	0	38	10	.4	--
	72-06-15	11	28	4.8	284	0	56	7.7	.4	--
Seward County										
11N 1E29BC 1	72-02-29	12	30	5.7	287	0	25	11	.4	--
	72-06-15	11	30	5.3	275	0	30	10	.4	--
11N 2E26AD 9	71-12-15	12	34	6.1	252	0	80	5.5	.4	--
	72-06-15	12	35	6.7	248	0	87	4.6	.3	--
York County										
9N 4W 6AC 1	71-12-15	10	22	5.4	236	0	34	17	.4	--
	72-06-15	9.6	22	5.5	223	0	34	14	.4	--
11N 2W31CA 1	71-12-15	12	35	6.2	298	0	30	10	.4	--
	72-06-15	12	36	7.0	304	0	30	8.8	.4	--
12N 1W11BC 2	71-12-15	13	28	5.7	348	0	20	12	.3	--
	72-06-15	12	23	5.6	350	0	24	9.9	.4	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TOTAL NITROGEN (N) (MG/L) (00600)	TOTAL KJELDAHL NITROGEN (N) (MG/L) (00625)	DISSOLVED AMMONIA NITROGEN (N) (MG/L) (00608)	DISSOLVED NITRITE (N) (MG/L) (00613)	DISSOLVED NITRATE (N) (MG/L) (00618)	DISSOLVED NITRITE PLUS NITRATE (N) (MG/L) (00631)	TOTAL PHOSPHORUS (P) (MG/L) (00665)	DISSOLVED PHOSPHORUS (P) (MG/L) (00666)	DISSOLVED BORON (B) (UG/L) (01020)
Holt County										
30N 10W24DD 1	71-10-19	--	--	--	--	--	6.5	--	.06	20
30N 10W24DD 2	72-06-14	--	--	--	--	--	13	--	.08	--
30N 12W23BA 1	71-10-19	--	--	--	--	--	5.3	--	.07	30
	72-06-14	--	--	--	--	--	6.1	--	.10	--
30N 13W13CD 1	71-10-19	--	--	--	--	--	8.7	--	.10	30
	72-06-13	--	--	--	--	--	8.3	--	.07	--
30N 14W23AA 2	71-10-18	--	--	--	--	--	4.1	--	.16	20
	72-06-13	--	--	--	--	--	4.4	--	.24	--
31N 10W20AA 1	71-10-20	--	--	--	--	--	9.3	--	.12	20
	72-06-14	--	--	--	--	--	10	--	.11	--
31N 11W11AC 1	71-10-19	--	--	--	--	--	210	--	.07	330
	72-06-14	--	--	--	--	--	340	--	.05	--
31N 12W31BA 1	71-10-19	--	--	--	--	--	2.0	--	.06	30
	72-06-14	--	--	--	--	--	1.6	--	.04	--
31N 12W35AB 1	71-10-19	--	--	--	--	--	4.8	--	.17	30
	72-06-14	--	--	--	--	--	7.1	--	.17	--
Kearney County										
5N 15W10BC 1	72-08-16	--	--	--	--	--	--	--	--	--
6N 16W21AB 1	71-10-28	--	--	--	--	--	--	--	--	--
7N 14W23CC 1	72-08-16	--	--	--	--	--	--	--	--	--
7N 16W 8DAC 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 16W29CA 1	72-08-15	--	--	--	--	--	--	--	--	--
Keya Paha County										
33N 21W 7AD 2	71-10-18	--	--	--	--	--	1.3	--	.56	10
	72-06-13	--	--	--	--	--	2.7	--	.40	--
33N 21W 8DA 1	71-10-18	--	--	--	--	--	1.2	--	.19	10
33N 21W 8DA 2	72-06-13	--	--	--	--	--	1.4	--	.25	--
33N 21W10DC 1	71-10-18	--	--	--	--	--	4.5	--	.14	20
	72-06-13	--	--	--	--	--	4.9	--	.14	--
Knox County										
29N 8W33CC 1	71-10-20	--	--	--	--	--	18	--	.11	20
	72-06-14	--	--	--	--	--	15	--	.14	--
Phelps County										
5N 18W 4BAD 1	71-10-27	--	--	--	--	--	--	--	--	--
5N 18W35DB 1	72-08-15	--	--	--	--	--	--	--	--	--
6N 17W18CD 1	71-10-26	--	--	--	--	--	--	--	--	--
6N 19W14AB 2	71-10-27	--	--	--	--	--	--	--	--	--
6N 19W20BD 1	71-10-27	--	--	--	--	--	--	--	--	--
7N 17W11CBA 1	72-08-16	--	--	--	--	--	--	--	--	--
7N 17W14DD 1	71-10-26	--	--	--	--	--	--	--	--	--
7N 18W12BA 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 18W16CC 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 19W13DAAA1	71-10-26	--	--	--	--	--	--	--	--	--
7N 19W33DA 1	72-06-13	--	--	--	--	--	--	--	--	--
7N 20W 1DC 1	71-10-27	--	--	--	--	--	--	--	--	--
7N 20W31CA 2	71-10-27	--	--	--	--	--	--	--	--	--
8N 19W15DA 1	72-08-15	--	--	--	--	--	--	--	--	--
8N 19W17DC 1	71-10-27	--	--	--	--	--	--	--	--	--
8N 19W35CC 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 18W 35CC1	71-10-27	--	--	--	--	--	--	--	--	--
Polk County										
13N 4W21CCD 2	71-12-15	--	--	--	--	--	4.3	--	.46	40
	72-06-14	--	--	--	--	--	4.4	--	.50	40
14N 1W 9DAC 1	71-12-15	--	--	--	--	--	2.6	--	.41	40
	72-06-15	--	--	--	--	--	.96	--	.26	30
Saline County										
5N 3E20BAD 1	72-02-18	--	--	--	--	--	.01	--	.07	50
	72-06-15	--	--	--	--	--	.10	--	.16	30
Seward County										
11N 1E29BC 1	72-02-29	--	--	--	--	--	8.0	--	.27	30
	72-06-15	--	--	--	--	--	7.4	--	.33	30
11N 2E26AD 9	71-12-15	--	--	--	--	--	4.8	--	.34	30
	72-06-15	--	--	--	--	--	5.6	--	.32	50
York County										
9N 4W 6AC 1	71-12-15	--	--	--	--	--	4.4	--	.30	40
	72-06-15	--	--	--	--	--	2.1	--	.28	20
11N 2W31CA 1	71-12-15	--	--	--	--	--	4.4	--	.51	30
	72-06-15	--	--	--	--	--	5.0	--	.54	40
12N 1W11BC 2	71-12-15	--	--	--	--	--	3.8	--	.31	30
	72-06-15	--	--	--	--	--	2.7	--	.40	30

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED SOLIDS (RESI-DUE AT 180 C) (MG/L) (70300)	DIS-SOLVED SOLIDS (SUM OF CONSTI-TUENTS) (MG/L) (70301)	HARD-NESS (CA,MG) (MG/L) (00900)	NON-CAR-BONATE HARD-NESS (MG/L) (00902)	SODIUM AD-SORP-TION RATIO (00931)	SPE-CIFIC CON-DUCT-ANCE (MICRO-MHOS) (00095)	PH (UNITS) (00400)	COLOR (PLAT-INUM-COBALT UNITS) (00080)	DIS-SOLVED ALUM-INUM (AL) (UG/L) (01106)
Holt County										
30N 10W24DD 1	71-10-19	--	110	49	24	.4	143	6.1	3	--
30N 10W24DD 2	72-06-14	--	180	80	50	.5	267	6.5	--	--
30N 12W23BA 1	71-10-19	--	169	79	4	.4	208	7.3	0	--
	72-06-14	--	178	85	4	.3	215	7.9	--	--
30N 13W13CD 1	71-10-19	--	218	110	20	.3	271	7.6	0	--
	72-06-13	--	222	120	18	.3	274	7.7	--	--
30N 14W23AA 2	71-10-18	--	161	71	0	.5	203	6.8	3	--
	72-06-13	--	163	74	1	.5	206	7.1	--	--
31N 10W20AA 1	71-10-20	--	183	92	25	.2	226	7.6	0	--
	72-06-14	--	191	99	33	.2	233	7.6	--	--
31N 11W11AC 1	71-10-19	--	1940	1200	980	.7	2620	7.0	0	--
	72-06-14	--	2630	1500	1300	.5	3160	7.0	--	--
31N 12W31BA 1	71-10-19	--	221	130	0	.3	297	7.3	0	--
	72-06-14	--	233	150	0	.3	310	7.5	--	--
31N 12W35AB 1	71-10-19	--	174	100	22	.3	256	7.2	0	--
	72-06-14	--	188	110	21	.2	246	6.8	--	--
Kearney County										
5N 15W10BC 1	72-08-16	--	--	--	--	--	656	--	--	--
6N 16W21AB 1	71-10-28	--	--	--	--	--	757	--	--	--
7N 14W23CC 1	72-08-16	--	--	--	--	--	520	--	--	--
7N 16W 8DAC 1	72-08-15	--	--	--	--	--	500	--	--	--
7N 16W29CA 1	72-08-15	--	--	--	--	--	903	--	--	--
Keya Paha County										
33N 21W 7AD 2	71-10-18	--	87	32	0	.3	97	6.5	1	--
	72-06-13	--	115	33	2	.4	104	6.8	--	--
33N 21W 8DA 1	71-10-18	--	168	85	0	.2	194	7.1	0	--
33N 21W 8DA 2	72-06-13	--	175	88	0	.2	198	7.2	--	--
33N 21W10DC 1	71-10-18	--	217	110	0	.3	278	6.8	0	--
	72-06-13	--	207	110	0	.3	273	6.8	--	--
Knox County										
29N 8W33CC 1	71-10-20	--	307	210	55	.4	501	6.8	0	--
	72-06-14	--	367	220	49	.3	492	7.0	--	--
Phelps County										
5N 18W 4BAB 1	71-10-27	--	--	--	--	--	645	--	--	--
5N 18W35DB 1	72-08-15	--	--	--	--	--	584	--	--	--
6N 17W18CD 1	71-10-26	--	--	--	--	--	855	--	--	--
6N 19W14AB 2	71-10-27	--	--	--	--	--	699	--	--	--
6N 19W20BD 1	71-10-27	--	--	--	--	--	661	--	--	--
7N 17W11CBA 1	72-08-16	--	--	--	--	--	601	--	--	--
7N 17W18DD 1	71-10-26	--	--	--	--	--	1190	--	--	--
7N 18W12BA 1	72-08-15	--	--	--	--	--	681	--	--	--
7N 18W16CC 1	72-08-15	--	--	--	--	--	932	--	--	--
7N 19W13DAAA 1	71-10-26	--	--	--	--	--	1000	--	--	--
7N 19W33DA 1	72-06-13	--	--	--	--	--	761	--	--	--
7N 20W 1DC 1	71-10-27	--	--	--	--	--	747	--	--	--
7N 20W31CA 2	71-10-27	--	--	--	--	--	784	--	--	--
8N 18W15DA 1	72-08-15	--	--	--	--	--	762	--	--	--
8N 19W17BC 1	71-10-27	--	--	--	--	--	1070	--	--	--
8N 19W35CB 1	72-08-15	--	--	--	--	--	1070	--	--	--
7N 18W 35CC1	71-10-27	--	--	--	--	--	1140	--	--	--
Polk County										
13N 4W21CCD 2	71-12-15	--	408	280	0	.8	652	7.1	0	--
	72-06-14	--	401	260	0	.8	646	7.2	0	--
14N 1W 9DAC 1	71-12-15	--	326	220	0	.6	496	7.0	0	--
	72-06-15	--	316	220	0	.4	500	7.3	2	--
Saline County										
8N 3E20BAD 1	72-02-18	--	341	230	0	.7	531	7.4	20	--
	72-06-15	--	351	220	0	.8	561	7.4	5	--
Seward County										
11N 1E29BC 1	72-02-29	--	372	230	0	.9	573	6.8	0	--
	72-06-15	--	367	230	5	.9	614	7.1	0	--
11N 2E26AD 9	71-12-15	--	394	240	30	1.0	603	6.8	0	--
	72-06-15	--	400	230	26	1.0	612	7.1	2	--
York County										
9N 4W 6AC 1	71-12-15	--	328	210	20	.7	517	7.0	0	--
	72-06-15	--	298	190	9	.7	484	7.3	0	--
11N 2W31CA 1	71-12-15	--	370	220	0	1.0	566	7.0	0	--
	72-06-15	--	375	220	0	1.1	583	7.1	2	--
12N 1W11BC 2	71-12-15	--	395	270	0	.7	615	7.0	0	--
	72-06-15	--	394	270	0	.6	623	7.3	5	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED ARSENIC (AS) (UG/L) (01000)	DIS-SOLVED BARIUM (BA) (UG/L) (01005)	DIS-SOLVED BERYL-LIUM (BE) (UG/L) (01010)	DIS-SOLVED CAD-MIUM (CD) (UG/L) (01025)	DIS-SOLVED CHRO-MIUM (CR) (UG/L) (01030)	DIS-SOLVED COBALT (CO) (UG/L) (01035)	DIS-SOLVED COPPER (CU) (UG/L) (01040)	DIS-SOLVED LEAD (PB) (UG/L) (01049)	DIS-SOLVED LITHIUM (LI) (UG/L) (01130)
Holt County										
30N 10W24DD 1	71-10-19	--	--	--	--	--	--	3	--	--
30N 10W24DD 2	72-06-14	--	--	--	--	--	--	--	--	--
30N 12W23BA 1	71-10-19	--	--	--	--	--	--	5	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
33N 13W13CD 1	71-10-19	--	--	--	--	--	--	1	--	--
	72-06-13	--	--	--	--	--	--	--	--	--
30N 14W23AA 2	71-10-18	--	--	--	--	--	--	3	--	--
	72-06-13	--	--	--	--	--	--	--	--	--
31N 10W20AA 1	71-10-20	--	--	--	--	--	--	3	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
31N 11W11AC 1	71-10-19	--	--	--	--	--	--	12	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
31N 12W31BA 1	71-10-19	--	--	--	--	--	--	5	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
31N 12W15AB 1	71-10-19	--	--	--	--	--	--	6	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
Kearney County										
5N 15W10DC 1	72-08-16	--	--	--	--	--	--	--	--	--
6N 16W21AB 1	71-10-28	--	--	--	--	--	--	--	--	--
7N 14W23CC 1	72-08-16	--	--	--	--	--	--	--	--	--
7N 16W 8DAC 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 16W29CA 1	72-08-15	--	--	--	--	--	--	--	--	--
Keya Paha County										
33N 21W 7AD 2	71-10-18	--	--	--	--	--	--	7	--	--
	72-06-13	--	--	--	--	--	--	--	--	--
33N 21W 8DA 1	71-10-18	--	--	--	--	--	--	6	--	--
33N 21W 8DA 2	72-06-13	--	--	--	--	--	--	--	--	--
33N 21W10DC 1	71-10-18	--	--	--	--	--	--	27	--	--
	72-06-13	--	--	--	--	--	--	--	--	--
Knox County										
29N 8W33CC 1	71-10-20	--	--	--	--	--	--	5	--	--
	72-06-14	--	--	--	--	--	--	--	--	--
Phelps County										
5N 18W 4BAB 1	71-10-27	--	--	--	--	--	--	--	--	--
5N 18W35DB 1	72-08-15	--	--	--	--	--	--	--	--	--
6N 17W18CD 1	71-10-26	--	--	--	--	--	--	--	--	--
6N 19W14AB 2	71-10-27	--	--	--	--	--	--	--	--	--
6N 19W20BD 1	71-10-27	--	--	--	--	--	--	--	--	--
7N 17W11CBA 1	72-08-16	--	--	--	--	--	--	--	--	--
7N 17W18DD 1	71-10-26	--	--	--	--	--	--	--	--	--
7N 18W12BA 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 18W16CC 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 19W13DAAA1	71-10-26	--	--	--	--	--	--	--	--	--
7N 19W33DA 1	72-06-13	--	--	--	--	--	--	--	--	--
7N 20W 1DC 1	71-10-27	--	--	--	--	--	--	--	--	--
7N 20W31CA 2	71-10-27	--	--	--	--	--	--	--	--	--
8N 18W15DA 1	72-08-15	--	--	--	--	--	--	--	--	--
8N 19W17DC 1	71-10-27	--	--	--	--	--	--	--	--	--
8N 19W35CB 1	72-08-15	--	--	--	--	--	--	--	--	--
7N 18W 35CC1	71-10-27	--	--	--	--	--	--	--	--	--
Polk County										
13N 4W21CCD 2	71-12-15	--	--	--	--	--	--	10	--	--
	72-06-14	--	--	--	--	--	--	2	--	--
14N 1W 9DAC 1	71-12-15	--	--	--	--	--	--	0	--	--
	72-06-15	--	--	--	--	--	--	5	--	--
Saline County										
3N 3E20BAD 1	72-02-18	--	--	--	--	--	--	0	--	--
	72-06-15	--	--	--	--	--	--	6	--	--
Seward County										
11N 1E29BC 1	72-02-29	--	--	--	--	--	--	20	--	--
	72-06-15	--	--	--	--	--	--	20	--	--
11N 2E26AD 9	71-12-15	--	--	--	--	--	--	10	--	--
	72-06-15	--	--	--	--	--	--	9	--	--
York County										
9N 4W 6AC 1	71-12-15	--	--	--	--	--	--	6	--	--
	72-06-15	--	--	--	--	--	--	3	--	--
11N 2W31CA 1	71-12-15	--	--	--	--	--	--	10	--	--
	72-06-15	--	--	--	--	--	--	6	--	--
12N 1W11BC 2	71-12-15	--	--	--	--	--	--	30	--	--
	72-06-15	--	--	--	--	--	--	30	--	--

LOCAL IDENT-I-FIER	DATE OF SAMPLE	DIS-SOLVED MERCURY (HG) (UG/L) (71890)	DIS-SOLVED MOLYB-DENUM (MO) (UG/L) (01060)	DIS-SOLVED NICKEL (NI) (UG/L) (01065)	DIS-SOLVED SELE-NIUM (SE) (UG/L) (01145)	DIS-SOLVED SILVER (AG) (UG/L) (01075)	DIS-SOLVED STRON-TIUM (SR) (UG/L) (01080)	DIS-SOLVED VANA-DIUM (V) (UG/L) (01085)	DIS-SOLVED ZINC (ZN) (UG/L) (01090)
Holt County									
30N 10W24DD 1	71-10-19	--	--	--	--	--	--	--	440
30N 10W24DD 2	72-06-14	--	--	--	--	--	--	--	--
30N 12W23BA 1	71-10-19	--	--	--	--	--	--	--	230
	72-06-14	--	--	--	--	--	--	--	--
30N 13W13CD 1	71-10-19	--	--	--	--	--	--	--	40
	72-06-13	--	--	--	--	--	--	--	--
30N 14W23AA 2	71-10-18	--	--	--	--	--	--	--	320
	72-06-13	--	--	--	--	--	--	--	--
31N 10W20AA 1	71-10-20	--	--	--	--	--	--	--	80
	72-06-14	--	--	--	--	--	--	--	--
31N 11W11AC 1	71-10-19	--	--	--	--	--	--	--	190
	72-06-14	--	--	--	--	--	--	--	--
31N 12W31BA 1	71-10-19	--	--	--	--	--	--	--	10
	72-06-14	--	--	--	--	--	--	--	--
31N 12W35AB 1	71-10-19	--	--	--	--	--	--	--	70
	72-06-14	--	--	--	--	--	--	--	--
Kearney County									
5N 15W10BC 1	72-08-16	--	--	--	1	--	--	--	--
6N 16W21AB 1	71-10-28	--	--	--	2	--	--	--	--
7N 14W23CC 1	72-08-16	--	--	--	2	--	--	--	--
7N 16W 8DAC 1	72-08-15	--	--	--	3	--	--	--	--
7N 16W29CA 1	72-08-15	--	--	--	12	--	--	--	--
Keya Paha County									
33N 21W 7AD 2	71-10-18	--	--	--	--	--	--	--	50
	72-06-13	--	--	--	--	--	--	--	--
33N 21W 8DA 1	71-10-18	--	--	--	--	--	--	--	180
33N 21W 8DA 2	72-06-13	--	--	--	--	--	--	--	--
33N 21W10DC 1	71-10-18	--	--	--	--	--	--	--	120
	72-06-13	--	--	--	--	--	--	--	--
Knox County									
29N 6W33CC 1	71-10-20	--	--	--	--	--	--	--	250
	72-06-14	--	--	--	--	--	--	--	--
Phelps County									
5N 18W 4BAB 1	71-10-27	--	--	--	4	--	--	--	--
5N 18W35DD 1	72-08-15	--	--	--	2	--	--	--	--
6N 17W10CD 1	71-10-26	--	--	--	2	--	--	--	--
6N 19W14AB 2	71-10-27	--	--	--	2	--	--	--	--
6N 19W20BD 1	71-10-27	--	--	--	8	--	--	--	--
7N 17W11CBA 1	72-08-16	--	--	--	1	--	--	--	--
7N 17W18DD 1	71-10-26	--	--	--	6	--	--	--	--
7N 18W12BA 1	72-08-15	--	--	--	4	--	--	--	--
7N 18W16CC 1	72-08-15	--	--	--	40	--	--	--	--
7N 19W13DAAA1	71-10-26	--	--	--	2	--	--	--	--
7N 19W33DA 1	72-06-13	--	--	--	2	--	--	--	--
7N 20W 1DC 1	71-10-27	--	--	--	2	--	-	--	--
7N 20W31CA 2	71-10-27	--	--	--	2	--	--	--	--
8N 18W15DA 1	72-08-15	--	--	--	3	--	--	--	--
8N 19W17BC 1	71-10-27	--	--	--	2	--	--	--	--
8N 19W35CB 1	72-08-15	--	--	--	14	--	--	--	--
7N 18W 35CC1	71-10-27	--	--	--	2	--	--	--	--
Polk County									
13N 4W21CCD 2	71-12-15	--	--	--	--	-	--	--	20
	72-06-14	--	--	--	--	-	--	--	10
14N 1W 9BAC 1	71-12-15	--	--	--	--	--	--	--	20
	72-06-15	--	--	--	--	--	--	--	10
Saline County									
8N 3E20BAD 1	72-02-18	--	--	--	--	--	--	--	20
	72-06-15	--	--	--	--	--	--	--	10
Seward County									
11N 1E29BC 1	72-02-29	--	--	--	--	--	--	--	80
	72-06-15	--	--	--	--	--	--	--	10
11N 2E26AD 9	71-12-15	--	--	--	--	--	--	--	20
	72-06-15	--	--	--	--	--	--	--	10
York County									
9N 4W 6AC 1	71-12-15	--	--	--	--	--	--	--	30
	72-06-15	--	--	--	--	--	--	--	10
11N 2W31CA 1	71-12-15	--	--	--	--	--	--	--	20
	72-06-15	--	--	--	--	--	--	--	10
12N 1W11BC 2	71-12-15	--	--	--	--	--	--	--	20
	72-06-15	--	--	--	--	--	--	--	10

CHEMICAL ANALYSIS OF GROUND WATER IN NEBRASKA

FIELD DETERMINATIONS

LOCAL IDENT-I-FIER	DATE OF SAMPLE	TEMP-ERATURE (DEG C) (00010)	ALKA-LINITY AS $CACO_3$ (MG/L) (00410)	PH (UNITS) (00400)	DIS-SOLVED NITRATE (N) (MG/L) (00618)
HALL COUNTY					
10N 9W11AC 1 ✓	71-10-20	12.0	187	7.2	0.4
	71-11-15	12.0	207	7.4	.3
	71-12-16	12.0	197	7.2	.4
11N 9W 8DA 2 ✓	71-10-20	12.5	133	7.1	6.1
	71-11-15	12.5	131	7.4	6.6
	71-12-16	12.5	136	7.0	6.8
11N 9W10BD 1 ✓	71-10-20	15.0	149	7.2	5.6
	71-11-15	13.0	--	--	8.6
11N 9W13CA 1 ✓	71-10-20	16.5	203	7.1	.0
	71-11-16	16.0	213	7.2	.0
	71-12-16	15.5	216	7.1	.0
11N 9W26BB 1 ✓	71-10-20	12.5	180	7.1	6.9
	71-11-15	12.5	179	7.3	6.8
	71-12-16	12.0	189	7.0	7.7
11N 10W 3DA 1 ✓	71-10-21	12.5	95	6.9	7.9
	71-11-16	12.5	95	6.9	7.2
	71-12-17	12.0	100	7.1	9.0
11N 10W13CC 1	71-10-20	12.5	141	7.0	3.6
	71-11-15	12.0	144	7.0	4.7
	71-12-16	12.0	152	6.9	4.3
12N 9W35BC 1 ✓	71-10-21	13.0	175	7.0	2.1
	71-11-15	13.5	174	7.2	2.5
	71-12-17	13.0	177	7.1	4.1

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